

Product Specifications

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Product Specification 04/2009
Fraction-No. 310

Sorting fraction: PLASTIC FILMS

A Specification/Description

Used, residue-drained, system-compatible items made of plastic film, surface > DIN A4, e.g. bags, carrier bags and shrink-wrapping film, incl. secondary components such as labels etc.

The supplement is part of this specification!

B Purity

At least 92 % by mass in accordance with the specification/description.

C Impurities

Max. total amount of impurities 8 % by mass

Metallic and mineral impurities with a unit weight of > 100 g are not permitted!

Other metal items < 0.5 % by mass

Other plastic items < 4 % by mass

Other residues items < 4 % by mass

Examples of impurities:

- Glass
- Paper, cardboard
- Composite paper/cardboard materials (e.g. beverage cartons)
- Aluminised plastics
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Delivery form

- Transportable bales
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 23 t
- Dry-stored
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction No. and production date

Product Specification 03/2018
Fraction-No. 310-1

Sorting fraction: PLASTIC FILMS

A Specification/Description

Used, residue-drained, system-compatible items made of plastic film, surface > DIN A4, e.g. bags, carrier bags and shrink-wrapping film, incl. secondary components such as labels etc.

The supplement is part of this specification!

B Purity

At least 92 % by mass according to specification/description.

At least 42 % colourless, transparent films > DIN A 3

C Impurities

Max. total amount of impurities 8 % by mass

Metallic or mineral impurities with a unit weight of > 100 g are not permitted!

Other metal items < 0.5 % by mass

Other plastic items < 4 % by mass

Paper, cardboard, carton < 1 % by mass

Other residues < 4 % by mass

Examples of impurities:

- Glass
- Composite paper/cardboard materials (e.g. liquid packaging boards)
- Aluminised plastics
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 23 t
- Dry-stored
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

Product Specification 03/2018
Fraction-No. 320

Sorting fraction: MIXED PLASTIC BOTTLES

A Specification/Description

Used, residue-drained, rigid, system-compatible packaging made of plastic, volume ≤ 5 litres, e.g. detergent and household cleaner bottles, incl. secondary components such as lids, labels etc.

The supplement is part of this specification!

B Purity

At least 94 % by mass according to specification/description.

C Impurities

Max. total amount of impurities 6 % by mass

Metallic or mineral impurities with a unit weight of > 100 g and cartridges for sealants are not permitted!

Other metal items < 0.5 % by mass

Other plastic items < 3 % by mass

Other residues < 3 % by mass

Examples of impurities:

- Glass
- Paper, Board, Cardboard
- Composite paper/cardboard materials (e.g. liquid packaging boards)
- Aluminised plastics
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 14 t
- Dry-stored
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

**Product Specification No. 03/2018
Fraction-No. 321**

Sorting fraction: POLYOLEFIN PLASTIC BOTTLES

A Specification/Description

Used, residue-drained, rigid, system-compatible sales packaging made of plastic, excluding PET-bottles, volume ≤ 5 litre, e.g. detergent- and household cleaner bottles incl. secondary components like lids, labels etc.

The supplement is part of this specification!

B Purity

At least 94 % by mass according to specification/description.

C Impurities

Maximum total amount of impurities 6 % by mass

Metallic or mineral impurities with a unit weight of > 100 g and cartridges for sealants are not permitted!

Other metal items < 0.5 % by mass

Other plastic items and PET bottles < 3 % by mass

Other residues < 3 % by mass

Examples of impurities:

- Glass
- Paper, Board, Cardboard
- Composite paper/cardboard materials (e.g. liquid packaging boards)
- Aluminised plastics
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 15 t
- Dry-stored
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

Product Specification 03/2018
Fraction-No. 322

Sorting fraction: P L A S T I C H O L L O W B O D I E S

A Specification/Description

Used, residue-drained, rigid, system-compatible sales items made of plastic, bottles > 5 litres, buckets, cans, large containers ≤ 200 litres, incl. secondary components such as lids, labels etc.

The supplement is part of this specification!

B Purity

At least 94 % by mass according to specification/description.

C Impurities

Max. total amount of impurities 6 % by mass

Metallic or mineral impurities with a unit weight of > 100 g and cartridges for sealants are not permitted!

Other metal items < 0.5 % by mass

Other plastic items < 3 % by mass

Other residues < 3 % by mass

Examples of impurities:

- Glass
- Paper, Board, Cardboard
- Composite paper/cardboard materials (e.g. liquid packaging boards)
- Aluminised plastics
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

Transportable bales

Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 14 t

Dry-stored

Produced with customary bale presses

Identified with DSD bale label stating the sorting plant no., fraction no. and production date

**Product Specification 03/2018
Fraction-No. 323**

Sorting fraction: MIXED POLYOLEFIN ITEMS (MPO)

A Specification/Description

Used, residue-drained, system-compatible items made of polypropylene (PP) and polyethylene (PE) such as bottles, cups, trays, films as well as substantially identical household and plastic items incl. secondary components such as labels etc.

The supplement is part of this specification!

B Purity

At least 85 % by mass according to specification/description.

C Impurities

Max. total amount of impurities 15 % by mass

Metallic or mineral impurities with a unit weight of > 100 g and cartridges for sealants are not permitted!

Paper, cardboard < 5 % by mass

Other non-PE / PP plastic items (PET, PS, etc.) < 7.5 % by mass

PVC items < 0.5 % by mass

Other residues < 3 % by mass

Max. undersize fraction (item < 20 mm) < 2 % by mass

Examples of impurities:

- Glass
- Paper, Board, Cardboard and composite paper/cardboard materials
(e.g. liquid packaging boards)
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

Transportable bales

Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 21 t

Dry-stored

Produced with customary bale presses

Identified with DSD bale label stating the sorting plant no., fraction no. and production date

Product Specification 03/2018
Fraction-No. 323-2

Sorting fraction: FLEXIBLE POLYOLEFIN ITEMS

A Specification/Description

Used, residue-drained, system-compatible, flexible items made of polyolefin (PE, PP) that are typical for packaging such as films, carrier bags (incl. aluminised films) and plastics made of Polyolefins that are dimensionally stable such as trays, covers incl. secondary components such as lids, labels etc.

The supplement is part of this specification!

B Purity

At least 90 % by mass according to specification/description.

C Impurities

Max. total amount of impurities 10 % by mass

Metallic or mineral impurities with a unit weight of > 100 g are not permitted!

PET items < 5 % by mass

EPS items < 0.8 % by mass

Paper, cardboard, carton, liquid packaging boards < 3 % by mass

Other residues < 3 % by mass

Other metal items < 1 % by mass

Examples of impurities:

- Glass
- Other plastic items
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 21 t
- Dry-stored
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

**Product Specification 03/2018
Fraction-No. 324-1**

Sorting fraction: P O L Y P R O P Y L E N E p l u s

A Specification/Description

Used, rigid, system-compatible items made of polypropylene, volume ≤ 5 litres, e.g. bottles, cups and trays, incl. secondary components such as lids, labels etc. as well as completely emptied films such as bags.

The supplement is part of this specification!

B Purity

At least 96 % by mass according to specification/description – at least 90 % by mass rigid PP items

C Impurities

Max. total amount of impurities 4 % by mass

Metallic or mineral impurities with a unit weight of > 100 g and cartridges for sealants are not permitted!

Other metal items < 0.5 % by mass

Rigid PE items < 1 % by mass

Expanded plastics incl. EPS items < 0.5 % by mass

Paper, cardboard, carton, Composite paper/cardboard materials (e.g. liquid packaging boards) < 1 % by mass

Other residues < 3 % by mass

Examples of impurities:

- Glass
- Aluminised plastics
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 17 t
- Dry-stored
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

**Product Specification 03/2018
Fraction-No. 325**

Sorting fraction: P E T B O T T L E S , T R A N S P A R E N T

A Specification/Description

Used, residue-drained, rigid, system-compatible items made of polyethylene terephthalate (PET), volume ≤ 5 litres, e.g. soft drink, and detergent bottles, incl. secondary components such as lids, labels etc.

The supplement is part of this specification!

B Purity

At least 98 % by mass according to specification/description.

C Impurities

Max. total amount of impurities 2 % by mass

Metallic or mineral impurities with a unit weight of > 100 g and cartridges for sealants are not permitted!

Other metal items < 0.5 % by mass

Opaque PET bottles, other PET packaging and other plastic items < 2 % by mass

EPS items < 0.5 % by mass

PVC items < 0.1 % by mass

Other residues < 2 % by mass

Examples of impurities:

- Glass
- Paper, Board, Cardboard
- Composite paper/cardboard materials (e.g. liquid packaging boards)
- Aluminised plastics
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- Dimension and density of the bales must be chosen to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 17 t
- Dry-stored
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

**Product Specification 05/2018
Fraction-No. 328-1**

Sorting fraction:	Mixed PET 90 / 10
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A Specification/Description

Used, residue-drained rigid, system-compatible items made of polyethylene terephthalate (PET), volume ≤ 5 litres composed as follows:

1. Transparent bottles, e.g. detergent bottles, beverage bottles
2. Other rigid PET items, e.g. cups, bowls

Clear, coloured, opaque, incl. secondary components such as lids, labels, etc.

The supplement is part of this specification!

B Purity

At least 98 % by mass according to specification/description.

At least 90 % PET bottles, transparent

Maximum 10 % other rigid items made of PET

C Impurities

Maximum total content of impurities 2 % by mass

Metallic or mineral impurities with a unit weight of > 100 g are not permitted!

Other metal items < 0.5 % by mass

Other plastic items < 2 % by mass

PVC items < 0.1 % by mass

Other residues < 2 % by mass

Examples of impurities:

- Glass
- Paper, Board, Cardboard
- Paper/board/cardboard composite materials (e.g. liquid packaging boards)
- Aluminised plastics
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 17 t
- Dry-stored
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

**Product Specification 05/2018
Fraction-No. 328-2**

Sorting fraction:	Mixed PET 70 / 30
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A Specification/Description

Used, residue-drained, rigid, system-compatible packages made of polyethylene terephthalate (PET), volume ≤ 5 litres composed as follows:

1. Transparent bottles, e.g. washing-up-liquid bottles, beverage bottles
2. Other rigid PET packages, e.g. cups, bowls

Clear, coloured, opaque, incl. secondary components such as lids, labels, etc.

The supplement is part of this specification!

B Purity

At least 98% by mass according to specification/description.

At least 70 % PET bottles, transparent

Maximum 30 % other rigid packages made of PET

C Impurities

Maximum total content of impurities	2 % by mass
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Metallic or mineral impurities with a unit weight of > 100 g are not permitted!

Other metal items	< 0.5 % by mass
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Other plastic items	< 2 % by mass
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PVC items	< 0.1 % by mass
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Other residues	< 2 % by mass
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Examples of impurities:

- Glass
- Paper, Board, Cardboard
- Paper/board/cardboard composite materials (e.g. liquid packaging boards)
- Aluminised plastics
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 17 t
- Dry-stored
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

**Product Specification 06/2018
Fraction-No. 328-5**

Sorting fraction:	PET - Trays
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A Specification/Description

Used, residue-drained, system-compatible trays made of polyethylene terephthalate (PET), volume ≤ 5 litres composed as follows:

1. Trays, e.g. for meat, fruit and vegetables, salads, etc
2. Transparent PET bottles incl. secondary components such as lids, labels, etc.

The supplement is part of this specification!

B Purity

At least 75% by mass PET - Trays.

Maximum 20% by mass transparent PET bottles coloured/non coloured

C Impurities

Maximum total content of impurities 17 % by mass

Metallic or mineral impurities with a unit weight of > 100 g are not permitted!

Other metal items	< 0.5 % by mass
PVC items	< 0.1 % by mass
Opaque PET- bottles	< 1,0 % by mass
Other plastic items	< 10,0 % by mass
Paper/board/cardboard, PBC composite materials	< 1,5 % by mass
Other residues	< 5,0 % by mass

Examples of impurities:

- Aluminised plastics
- Foreign materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 21 t
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

Product Specification 03/2018
Fraction-No. 329

Sorting fraction:	P O L Y E T H Y L E N E
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A Specification/Description

Used, residue-drained, rigid, system-compatible items made of polyethylene, volume ≤ 5 litres, e.g. bottles and trays, incl. secondary components such as lids, labels etc.

The supplement is part of this specification!

B Purity

At least 94 % by mass according to specification/description.

C Impurities

Max. total amount of impurities	6 % by mass
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Metallic or mineral impurities with a unit weight of > 100 g and cartridges for sealants are not permitted!

Other metal items	< 0.5 % by mass
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Rigid PP items	< 3 % by mass
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Foamed plastics incl. EPS items	< 0.5 % by mass
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Plastic films	< 5 % by mass
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Other residues	< 3 % by mass
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Examples of impurities:

- Glass
- Paper, Board, Cardboard
- Composite paper/cardboard materials (e.g. liquid packaging boards)
- Aluminised plastics
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 17 t
- Dry-stored
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

Product Specification 03/2018
Fraction-No. 330

Sorting fraction: C U P S

A Specification/Description

Used, residue-drained, rigid, system-compatible sales packaging made of plastic, volume ≤ 1 litre, e.g. yoghurt and margarine pots, incl. secondary components such as lids, labels etc.

The supplement is part of this specification!

B Purity

At least 94 % by mass according to specification/description.

C Impurities

Max. total amount of impurities 6 % by mass

Metallic or mineral impurities with a unit weight of > 100 g are not permitted!

Other metal items < 0.5 % by mass

Other plastic items < 3 % by mass

Other residues < 3 % by mass

Examples of impurities:

- Glass
- Paper, Board, Cardboard
- Composite paper/cardboard materials (e.g. liquid packaging boards)
- Aluminised plastics
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 17 t
- Dry-stored
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

Product Specification 03/2018

Fraction-No. 331

Sorting fraction:	P O L Y S T Y R E N E
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A Specification/Description

Used, residue-drained, rigid, system-compatible items made of polystyrene, volume ≤ 1 litre, e.g. cups and trays, incl. secondary components such as lids, labels etc.

The supplement is part of this specification!

B Purity

At least 94 % by mass according to specification/description.

C Impurities

Max. total amount of impurities 6 % by mass

Metallic or mineral impurities with a unit weight of > 100 g are not permitted!

Other metal items < 0.5 % by mass

Expanded plastics incl. EPS items < 1 % by mass

Other plastic items < 4 % by mass

Other residues < 2 % by mass

Examples of impurities:

- Glass
- Paper, Board, Cardboard
- Composite paper/cardboard materials (e.g. liquid packaging boards)
- Aluminised plastics
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 19 t
- Dry-stored
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

Product Specification 03/2018
Fraction-No. 340

Sorting fraction: EXPANDED POLYSTYRENE

A Specification/Description

Used, residue-drained, system-compatible packaging made of coarse-grained, white expanded polystyrene, incl. secondary components such as labels etc.

The supplement is part of this specification!

B Purity

At least 97 % by mass according to specification/description.

C Impurities

Max. total amount of impurities 3 % by mass

Metallic or mineral impurities with a unit weight of > 100 g and packaging chips are not permitted!

Other metal items < 0.5 % by mass

Examples of impurities:

- Glass
- Paper, Board, Cardboard
- Composite paper/cardboard materials (e.g. liquid packaging boards)
- Aluminised plastics
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 0,7 t
- Dry-stored
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

**Product Specification 03/2018
Fraction-No. 350**

Sorting fraction:	MIXED PLASTICS
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A Specification/Description

Used, residue-drained, system-compatible items made of plastics that are typical for packaging (PE, PP, PS, PET) incl. secondary components such as lids, labels etc.

The supplement is part of this specification!

B Purity

At least 90 % by mass according to specification/description.

C Impurities

Max. total amount of impurities	10 % by mass
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Metallic or mineral impurities with a unit weight of > 100 g are not permitted!

Paper, cardboard	< 5 % by mass
Other metal items	< 2 % by mass
PET bottles, transparent	< 4 % by mass
PVC items other than packaging	< 0.5 % by mass
Other residues	< 3 % by mass

Examples of impurities:

- Glass
- Composite paper/cardboard materials (e.g. liquid packaging boards)
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 21 t
- Dry-stored
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

**Product Specification 03/2018
Fraction-No. 351-1**

Sorting fraction: RIGID PLASTICS Quality 1

A Specification/Description

Used, residue-drained, system-compatible items made of polypropylene, polyethylene or polystyrene such as cups, bottles, trays incl. secondary components such as lids and labels etc.

The supplement is part of this specification!

B Purity

At least 80 % by mass according to specification/description.

C Impurities

Max. total amount of impurities 20 % by mass

Metallic or mineral impurities with a unit weight of > 100 g are not permitted!

Plastic films < 10 % by mass

Paper, cardboard < 6 % by mass

EPS items < 2 % by mass

PET items < 8 % by mass

Other residues < 3 % by mass

Examples of impurities:

- Glass
- Composite paper/cardboard materials (e.g. liquid packaging boards)
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 21 t
- Dry-stored
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

**Product Specification 03/2018
Fraction-No. 351-2**

Sorting fraction: R I G I D P L A S T I C S Q u a l i t y 2

A Specification/Description

Used, residue-drained, system-compatible items made of polypropylene, polyethylene or polystyrene such as cups, bottles, trays incl. secondary components such as lids and labels etc.

The supplement is part of this specification!

B Purity

At least 70 % by mass according to specification/description.

C Impurities

Max. total amount of impurities 30 % by mass

Metallic or mineral impurities with a unit weight of > 100 g are not permitted!

Plastic films < 20 % by mass

Paper, cardboard < 8 % by mass

EPS items < 3 % by mass

PET items < 10 % by mass

Other residues < 3 % by mass

Examples of impurities:

- Glass
- Composite paper/cardboard materials (e.g. liquid packaging boards)
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 21 t
- Dry-stored
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

**Product Specification 05/2012
Fraction-No. 352**

Sorting fraction:	NEW MIXED PLASTICS
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A Specification/Description

Used, residue-drained, system-compatible items made of plastics that are typical for packaging (PE, PP, PS, PET) incl. secondary components such as lids, labels etc.

The supplement is part of this specification!

B Purity

At least 90 % by mass according to specification/description.

C Impurities

Max. total amount of impurities	10 % by mass
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Metallic and mineral impurities with a unit weight of > 100 g are not permitted!

Paper, cardboard	< 5 % by mass
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Other metal items	< 2 % by mass
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PET items	< 3 % by mass
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PVC items	< 0.5 % by mass
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Other residues	< 3 % by mass
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Examples of impurities:

- Glass
- Composite paper/cardboard materials (e.g. liquid packaging boards)
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 21 t
- Dry-stored
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

Product Specification 03/2018
Fraction-No. 361

Sorting fraction: M P O B Y - P R O D U C T (K E G)

A Specification/Description

Plastic coated product fractions which are left over after screening of the fine particles < 30 mm, sorting of non-plastic and Fraction 310 (plastic films) during MPO manufacturing.

B Purity

Minimum plastic content 40 % by mass according to specification/description.

C Impurities

Metallic or mineral impurities with a unit weight of > 100 g are not permitted!

D Form of Delivery

- Transportable bales
- Dry-stored
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 21 t
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

Product Specification 08/2014
Fraction-No. 412

Sorting fraction:	T I N P L A T E
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A Specification/Description

Used, residue-drained, system-compatible items made of tinplate such as beverage and food cans as well as buckets incl. secondary components such as labels etc.

B Purity / Metal Content

At least 67 % by mass (rejection boundary), deducted standard quality 82% by mass minimum

The supplement is part of this specification!

C Impurities

Max. total amount of impurities 33 % by mass non metals

The amount of impurities between 18.1 % by mass and 33 % by mass may/possible cause deduction on commission according to contract.

Closed hollow containers (e.g. fire extinguishers), explosive devices and electrical appliances, copper cables, batteries and radiation sources are not permitted!

Examples of impurities:

- Glass
- Liquid packaging boards
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 23 t
- Loose fill with bulk weight on wagon and truck of 0.25 t/m³ minimum
- Labelling via delivery note provided with sender, recipient and denominations

**Product Specification 05/2018
Fraction-No. 420**

Sorting fraction:	A L U M I N I U M
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A Specification/Description

Used, residue-drained, system-compatible items made of aluminium or containing aluminium foil, such as trays, wrapping foil, incl. secondary components such as lids, labels, etc.

The supplement is part of this specification!

B Purity

At least 65 % by mass (rejection boundary), deducted standard quality 90% by mass.

At least 90 % by mass according to specification/description

C Impurities

Maximum total content of impurities 10 % by mass

Solid impurities with a unit weight of > 100 g and closed hollow containers (e.g. fire-extinguishers) and explosives are not permitted!

Items made of paper, board, cardboard and of plastic that do not contain any aluminium and/or any aluminium foil < 3 % by mass

Liquid packaging boards < 2 % by mass

Magnetic iron-metal items < 3 % by mass

Other residues < 5 % by mass

Examples of impurities:

- Glass
- Cartons for liquids
- Metallised material
- Tinplate cans
- Light fitting components (e.g. light bulbs, fluorescent tubes)
- Plastics
- Foreign materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of delivery

- Transportable bales
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 23 t
- No stretch wrappings
- Production via customary bale press
- Labelling via Identified with DSD bale label stating the sorting plant no., fraction no. and production date

Product Specification 03/2018
Fraction-No. 510

Sorting fraction: LIQUID PACKAGING BOARD (LPG)

A Specification/Description

Used, residue-drained, system-compatible packaging made of composite cardboard materials consisting of cardboard/polyethylene or cardboard/aluminium/polyethylene for filling liquid and pasty products, e.g. milk, juice and ready-made sauce cartons incl. secondary components such as lids, labels etc.

The supplement is part of this specification!

B Purity

At least 90 % by mass according to specification/description.

C Impurities

Max. total amount of impurities 10 % by mass

Metallic or mineral impurities with a unit weight of > 100 g are not permitted!

Other paper/cardboard items < 2.5 % by mass

Other metal items < 0.5 % by mass

Plastic items < 4 % by mass

Other residues < 3 % by mass

Examples of impurities:

- Glass
- Metal cans, aluminised plastics
- Plastics (e.g. plastic container, plastic films)
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- No cross-wiring and dry-stored
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 22 t
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

Product Specification 03/2018
Fraction-No. 550

**Sorting fraction: Paper, Board, Cardboard from
Lightweight Packaging**

A Specification/Description

Used, residue-drained, system-compatible items made of paper, board or cardboard as well as composite paper/cardboard materials except liquid packaging boards, incl. secondary components such as labels etc.

The supplement is part of this specification!

B Purity

At least 90 % by mass according to specification/description.

C Impurities

Max. total amount of impurities 10 % by mass

Metallic or mineral impurities with a unit weight of > 100 g are not permitted!

Liquid packaging boards < 4 % by mass

Plastic items < 3 % by mass

Metal items < 0.5 % by mass

Other residues < 3.5 % by mass

Examples of impurities:

- Glass
- Wax-, bitumen- and oilpaper
- Other materials (e.g. rubber, stones, wood, textiles, nappies)
- Compostable waste (e.g. food, garden waste)

D Form of Delivery

- Transportable bales
- No cross-wiring and dry-stored
- Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 22 t
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

**Product Specification 08/2019
Fraction-No. 831**

Sorting fraction: LVP SORTING RESIDUES MEDIUM AND OVERSIZE FRACTION
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A Specification/Description

1. Material Properties

LVP input residues largely free of FE- and NF-metals, minerality oversize and fine grains as so called left-over LVP-residues after sorting according to contract.

2. Chemical and physical parameters

Lower heating value	kJ/kg OS	> 13,000
Item size		
Undersize fraction	items < 10 mm	< 5 % by mass
Oversize fraction	items > 300 mm	< 5 % by mass

B Purity

At least 90 % by mass according to specification/description.

C Form of Delivery

- Transportable bales
 - No cross-wiring and dry-stored
 - Dimension and density of the bales must be chosen so as to ensure that a tarpaulin truck (loading area 12.60 m x 2.40 m; lateral loading height min. 2.60 m) can be loaded with a minimum loading of 23 t
- Produced with customary bale presses
- Identified with DSD bale label stating the sorting plant no., fraction no. and production date

Supplement (08/2014)

The supplement is part of the specification!

A Specification/description

The system compatibility of packaging in terms of its content is the requirement for licensing and will be checked by an expert respectively.

Basically, only unground products from the sorting process of light weight packaging of household collection systems that are operated by contracting parties of the Duales System Deutschland GmbH will be accepted.

B Purity

The purity of the sorting fraction will be determined by sampling according to LAGA PN 98 (status: December 2001) and subsequent analysis (e.g. manual sorting and weighing or chemical analysis).

The regulations apply to DSD quality testing scheme (annex 7).

C Impurities

Impurities are substances that technically complicate or impede the recycling of the sorting fraction, irrespectively of whether, in any particular case, complication or prevention occurs.

Impurities are all materials and items that are not described in Point A (specification/description).

These include for instance:

- Packaging made of other sorting fractions which do not comply with the specification.
- Non-system components which have been sorted incorrectly
- etc.

The fractions of individual impurities or groups of impurities are limited separately as far as this is technically necessary.

The maximum total impurity content is the proportion of all impurities in the fraction and must in any case be undercut.

D Form of Delivery

Terms of delivery for each specification are to be observed by the sorting plant's loading services.

Sorting plants with a total plant capacity of 35.000 t/a (or bigger) must enable free loading of sea containers as well as the necessary photographic documentation regarding collection of the fractions in question for the client or a third party contractor