

Systalen LD-C32001 gn001

Product information

General Data				
Base raw material:	LDPE,			
	contains fractions of LLDPE, MDPE, HDPE, PP			
PP content:	≤ 12 %			
Source:	post-consumer packaging (content > 98 %)			
Form:	pellets			
Colour:	dark green			
Filtration:	200 µm			
Status:	commercial			
Physical Properties		Data	Unit	Test standard
Ash content (625 °C):		3,5	%	EN ISO 3451-1
MFR (190 °C/2,16 kg):		0,9	g/10 min	EN ISO 1133
MFR (190 °C/5 kg):		3,2	g/10 min	EN ISO 1133
Density:		0,95	g/cm ³	EN ISO 1183-1
Mechanical Properties		Data	Unit	Test standard
Tensile strength:		18	MPa	EN ISO 527-1/2
Tensile modulus:		350	MPa	EN ISO 527-1/2
Tensile strain at break		> 300	%	EN ISO 527-1/2
Charpy notched impact strength:				EN ISO 179/1eA
	23 °C	70	kJ/m ²	
	-20 °C	8,5	kJ/m ²	
Application		Extrusion, injection moulding		
Processing		We recommend to pre-dry the pellets at 70 °C to 80 °C for approx. 2 hours before processing or to add a moisture absorber.		

The material is certified according to EuCertPlast and quality assured according to RAL-GZ 720.

The data in this product information are typical properties conforming to our current state of technical know-how and experience and are not to be construed as specification limits. Because of the variety of possible influences during processing and use of our products, they do not exempt the user from his duty to conduct own checks and tests regarding the suitability of the products. The legally binding confirmation of certain properties or of the qualification for a certain purpose cannot be derived. The item is suitable for non-food-products, with the exception for children's toys, medicinal products and cosmetics as defined by the Foods, Consumer Goods and Feedstuffs Code (LFGB). Possible trademark rights as well as existing laws and regulations are to be followed by the user at his own responsibility. We reserve the right to perform modifications.

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