

Technical Data Sheet

PCR HDPE Regranulate

Product Code: 014002

Description

PCR HDPE 014002 is a circular HDPE grade supplied in pellet form for blow moulding and extrusion applications.

PCR HDPE 014002 contains at least 99% of post-consumer material from pre-sorted plastic packaging waste. Filtration level is 120 µm.

This product is not intended for highly regulated applications including food contact, potable water contact, medical and pharmaceutical applications.

Physical Properties	Value	Units	Test Method
Density	0,94-0,96	g/cm ³	ISO 1183
MFI (190°C/ 2,16 kg)	0,2-0,5	g/10 min	ISO 1133
MFI (190°C/ 5 kg)	0,8-1,1	g/10 min	ISO 1133
Moisture Content	< 0,1	wt%	Internal method
Ash Content	< 2	wt%	Internal method
PP Content	< 2	wt%	Internal method
Diameter Pellets	4,5-5	mm	Internal method
Thickness Pellets	1-3	mm	Internal method

Mechanical (at 23°C)	Value	Units	Test method
Tensile Modulus	650	MPa	ISO 527
Charpy impact strength	31-33	kJ/m ²	ISO 179
Yield stress	21	MPa	ISO 527
Elongation at yield	0,15	%	ISO 527
Flexural modulus	700	MPa	ISO 178

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Additional Information	
Source of Polymer	PCR
Odor	Non-deodorized
Color	Natural

Processing
Recommended melt temperature range for blow moulding from 180°C-210°C
Disclaimer
All properties are current, typical data of stated product. All statements, data and information given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied.