Refining & Chemicals
Polymers

Technical data sheet
Polypropylene – Random Copolymer
Produced in Europe

Description

Polypropylene PPR 10232 is a nucleated and antistatic random copolymer polypropylene with a Melt Flow Index of 40 g/10 min for the injection moulding of articles with high transparency and excellent surface appearance.

Polypropylene PPR 10232 has an excellent food compatibility thanks to its low odour, making it especially suitable for the production of food packaging and houseware products.

We hereby confirm that we do not use peroxide in the manufacturing of the above-mentioned Product.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	40
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	28
Elongation at Yield	ISO 527-2	%	10
Tensile modulus	ISO 527-2	MPa	1200
Flexural modulus	ISO 178	MPa	1150
Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m²	5
Charpy Impact Strength (notched) at 23°C	ISO 179	kJ/m²	6
Hardness Rockwell - R-scale	ISO 2039-2		84
Thermal properties			
Melting Point	ISO 3146	°C	147
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			67
10N-50°C per hour			130
Other physical properties			
Density	ISO 1183	g/cm³	0.902
Bulk Density	ISO 1183	g/cm³	0.525

Handling and storage

Please refer to the safety data sheet (SDS) for handling and storage information. It is advisable to convert the product within one year after delivery provided storage conditions are used as given in the SDS of our product. SDS may be obtained from the website: http://www.totalrefiningchemicals.com

An Injection Moulding troubleshooting guide is available upon request.

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