

TOTAL Polypropylene PPR 10232

Polypropylene Random Copolymer

TOTAL Refining & Chemicals

Message:

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.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Good Surface Finish		
	High Clarity		
	Low to No Odor		
	Nucleated		
Uses	Food Packaging		
	Household Goods		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.902	g/cm ³	ISO 1183
Apparent Density	0.53	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	84		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1200	MPa	ISO 527-2
Tensile Stress (Yield)	28.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Flexural Modulus	1150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179
Notched Izod Impact Strength (23°C)	5.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature			
--	130	°C	ISO 306/A50
--	67.0	°C	ISO 306/B50
Melting Temperature (DSC)	147	°C	ISO 3146

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