

TOTAL Polypropylene PPR 7227

Polypropylene Random Copolymer

TOTAL Refining & Chemicals

Message:

Total Petrochemicals PPR 7227 is a high transparency random copolymer polypropylene specially developed for the injection moulding of caps and closures and articles with high transparency, excellent surface resistance and low stress whitening in hinged applications. Total Petrochemicals PPR 7227 distinguishes itself by excellent organoleptic properties and can be proposed for contact with taste sensitive liquids. Certificates for batch compliance are available.

General Information			
Features	Good Organoleptic Properties		
	High Clarity		
Uses	Caps		
	Closures		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
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)	10	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	86		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1300	MPa	ISO 527-2
Tensile Stress (Yield)	29.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Flexural Modulus	1200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	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)	146	°C	ISO 3146

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Recommended distributors for this material

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