

TOTAL Polypropylene PPR 7220

Polypropylene Random Copolymer

TOTAL Refining & Chemicals

Message:

Total Petrochemicals PPR 7220 is a nucleated random copolymer polypropylene with a Melt Flow Index of 10 g/min for the injection moulding of articles with high transparency and excellent surface appearance.
Polypropylene PPR 7220 is intended for general purpose, household goods, cosmetic caps and closures.

General Information			
Additive	Nucleating Agent		
Features	General Purpose		
	Good Surface Finish		
	High Clarity		
	Nucleated		
Uses	Caps		
	Closures		
	General Purpose		
	Household Goods		
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)	5.5	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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