

TOTAL Polypropylene PPR 9220

Polypropylene Random Copolymer

TOTAL Refining & Chemicals

Message:

Polypropylene PPR 9220 is a nucleated random copolymer polypropylene with a Melt Flow Index of 20 g/min for the injection moulding of articles with high transparency and excellent surface appearance.
Polypropylene PPR 9220 is intended for household goods, thin wall packaging, caps.

General Information			
Additive	Nucleating Agent		
Features	Good Surface Finish		
	High Clarity		
	Nucleated		
Uses	Caps		
	Household Goods		
	Thin-walled Packaging		
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/cm³	ISO 1183
Apparent Density	0.53	g/cm³	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	82		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1000	MPa	ISO 527-2
Tensile Stress (Yield)	20.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Flexural Modulus	900	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.5	kJ/m²	ISO 179
Notched Izod Impact Strength (23°C)	6.5	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	130	°C	ISO 306/A50
--	67.0	°C	ISO 306/B50

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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