



TotalEnergies

Refining & Chemicals
Polymers

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Polypropylene PPR 9220

Technical data sheet
Polypropylene – Random Copolymer
Produced in Europe

Description

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.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	20
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	20
Elongation at Yield	ISO 527-2	%	10
Tensile modulus	ISO 527-2	MPa	1000
Flexural modulus	ISO 178	MPa	900
Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m ²	6.5
Charpy Impact Strength (notched) at 23°C	ISO 179	kJ/m ²	8.5
Hardness Rockwell - R-scale	ISO 2039-2		82
Thermal properties			
Melting Point	ISO 3146	°C	146
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/cm ³	0.902
Bulk Density	ISO 1183	g/cm ³	0.525

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