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Refining & Chemicals
Polymers

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Polypropylene PPC 5660

Technical data sheet
Polypropylene – Heterophasic Copolymer
Produced in Europe

Description

Polypropylene PPC 5660 is heterophasic copolymer with a Melt Flow Index of 7 g/10min. Polypropylene PPC 5660 is characterized by a medium fluidity offering a combination of ease of processing and good manufactured article properties in applications ranging from household to industrial. Polypropylene PPC 5660 has been developed for the manufacture of garden furniture, battery cases and other articles requiring a combination of good stiffness and impact properties.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	7
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	25
Elongation at Yield	ISO 527-2	%	6
Tensile modulus	ISO 527-2	MPa	1300
Flexural modulus	ISO 178	MPa	1200
Izod Impact Strength (notched)	ISO 180	kJ/m ²	
at 23°C			10
at -20°C			5.5
Charpy Impact Strength (notched)	ISO 179	kJ/m ²	
at 23°C			13
at -20°C			6
Hardness Rockwell - R-scale	ISO 2039-2		85
Thermal properties			
Melting Point	ISO 3146	°C	165
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			65
10N-50°C per hour			145
Heat Deflection Temperature	ISO 752	°C	
1.80 MPa - 120°C per hour			50
0.45 MPa - 120°C per hour			92
Other physical properties			
Density	ISO 1183	g/cm ³	0.905
Bulk Density	ISO 1183	g/cm ³	0.525

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