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TOTAL PETROCHEMICALS

Polypropylene PPC 4660

Technical data sheet
Polypropylene – Heterophasic Copolymer
Produced in Europe

Description

Polypropylene PPC 4660 is heterophasic copolymer with a Melt Flow Index of 3.5 g/10min.
Polypropylene PPC 4660 is characterized by a combination of ease of processing and good manufactured article properties in applications ranging from household to industrial. These include the manufacture of chair shells, pails, crates 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	3.5
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	25
Elongation at Yield	ISO 527-2	%	7
Tensile modulus	ISO 527-2	MPa	1300
Flexural modulus	ISO 178	MPa	1200
Izod Impact Strength (notched)	ISO 180	kJ/m²	
at 23°C			18
at -20°C			5.5
Charpy Impact Strength (notched)	ISO 179	kJ/m²	
at 23°C			20
at -20°C			7
Hardness Rockwell - R-scale	ISO 2039-2		82
Thermal properties			
Melting Point	ISO 3146	°C	165
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			70
10N-50°C per hour			147
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/cm³	0.905
Bulk Density	ISO 1183	g/cm³	0.525

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