

Description

Polypropylene PPC 2660 is heterophasic copolymer with a Melt Flow Index of 0.8 g/10 min. Polypropylene PPC 2660 is characterized by a low fluidity hence good melt strength to provide ease of processing and good manufactured article properties. Polypropylene PPC 2660 is suitable particularly for the extrusion of corrugated cardboard, blown film, sheet and pipes and for blow-moulding applications where a very high impact resistance is required.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	0.8
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	24
Elongation at Yield	ISO 527-2	%	13
Tensile modulus	ISO 527-2	MPa	1200
Flexural modulus	ISO 178	MPa	1100
Izod Impact Strength (notched)	ISO 180	kJ/m ²	
at 23°C			>50
at -20°C			6
Charpy Impact Strength (notched)	ISO 179	kJ/m ²	
at 23°C			>50
at -20°C			6
Hardness Rockwell - R-scale	ISO 2039-2		74
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			148
Heat Deflection Temperature	ISO 752	°C	
1.80 MPa - 120°C per hour			50
0.45 MPa - 120°C per hour			88
Other physical properties			
Density	ISO 1183	g/cm ³	0.905
Bulk Density	ISO 1183	g/cm ³	0.525