

Description

Polypropylene PPC 7760 is heterophasic copolymer with a Melt Flow Index of 15 g/10 min. Polypropylene PPC 7760 is characterized by a medium fluidity offering a combination of ease of processing and excellent impact properties in applications ranging from industrial to household. Polypropylene PPC 7760 has been developed for the manufacture of garden furniture, battery cases, caps, closures, paint containers and toys.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	15
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	24
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			11
at -20°C			6
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			140
Heat Deflection Temperature	ISO 752	°C	
1.80 MPa - 120°C per hour			48
0.45 MPa - 120°C per hour			90
Other physical properties			
Density	ISO 1183	g/cm ³	0.905
Bulk Density	ISO 1183	g/cm ³	0.525