

Description

Polypropylene PPC 9760 is heterophasic copolymer with a Melt Flow Index of 25g/10 min combining good fluidity and mechanical properties.

Polypropylene PPC 9760 is characterized by improved stiffness, creep resistance and high impact resistance.

Polypropylene PPC 9760 has been developed specifically for the injection moulding of buckets, pails, toys, housewares and garden furniture.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	25
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	25
Elongation at Yield	ISO 527-2	%	6.5
Tensile modulus	ISO 527-2	MPa	1400
Flexural modulus	ISO 178	MPa	1300
Izod Impact Strength (notched)	ISO 180	kJ/m ²	
at 23°C			7
at -20°C			5
Charpy Impact Strength (notched)	ISO 179	kJ/m ²	
at 23°C			8
at -20°C			5.5
Hardness Rockwell - R-scale	ISO 2039-2		83
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