

Description

Polypropylene PPC 3650 is heterophasic copolymer with a Melt Flow Index of 2 g/10 min. Polypropylene PPC 3650 provides an excellent balance between toughness and flow, being particularly suitable in injection molding for heavy duty applications such as tote bins, bread & vegetable trays, crates and large pails.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	2
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	24
Elongation at Yield	ISO 527-2	%	11
Tensile modulus	ISO 527-2	MPa	1250
Flexural modulus	ISO 178	MPa	1150
Izod Impact Strength (notched)	ISO 180	kJ/m ²	
at 23°C			>50
at -20°C			6.5
Charpy Impact Strength (notched)	ISO 179	kJ/m ²	
at 23°C			>50
at -20°C			7.5
Hardness Rockwell - R-scale	ISO 2039-2		78
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			147
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