

Description

Polypropylene PPC 5752 is a nucleated controlled-rheology heterophasic copolymer with a Melt Flow Index of 5.5 g/10 min.

Polypropylene PPC 5752 is characterized by a high impact resistance and excellent antistatic properties.

Polypropylene PPC 5752 has been developed specifically for the injection moulding of crates.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	5.5
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	27
Elongation at Yield	ISO 527-2	%	6
Tensile modulus	ISO 527-2	MPa	1350
Flexural modulus	ISO 178	MPa	1250
Izod Impact Strength (notched)	ISO 180	kJ/m ²	
at 23°C			14
at -20°C			6
Charpy Impact Strength (notched)	ISO 179	kJ/m ²	
at 23°C			15
at -20°C			7
Hardness Rockwell - R-scale	ISO 2039-2		85
Thermal properties			
Melting Point	ISO 3146	°C	165
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			68
10N-50°C per hour			138
Heat Deflection Temperature	ISO 752	°C	
1.80 MPa - 120°C per hour			53
0.45 MPa - 120°C per hour			95
Other physical properties			
Density	ISO 1183	g/cm ³	0.905
Bulk Density	ISO 1183	g/cm ³	0.525