

Description

Polypropylene PPH 9040 is a nucleated homopolymer with a Melt Flow Index of 25 g/10min.

Polypropylene PPH 9040 is characterized by an improved rigidity and a high clarity.

Polypropylene PPH 9040 is suitable for the injection moulding of packaging containers, toys, domestic appliances, garden furniture and caps & closures.

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	36
Elongation at Yield	ISO 527-2	%	8
Tensile modulus	ISO 527-2	MPa	2000
Flexural modulus	ISO 178	MPa	1900
Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m ²	4
Charpy Impact Strength (notched) at 23°C	ISO 179	kJ/m ²	4.5
Hardness Rockwell - R-scale	ISO 2039-2		100
Thermal properties			
Melting Point	ISO 3146	°C	165
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			97
10N-50°C per hour			153
Heat Deflection Temperature	ISO 752	°C	
1.80 MPa - 120°C per hour			60
0.45 MPa - 120°C per hour			110
Other physical properties			
Density	ISO 1183	g/cm ³	0.905
Bulk Density	ISO 1183	g/cm ³	0.525