Technical data sheet
Polypropylene – Homopolymer
Produced in Europe

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/m²	4
Charpy Impact Strength (notched) at 23°C	ISO 179	kJ/m²	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/cm³	0.905
Bulk Density	ISO 1183	g/cm³	0.525

Handling and storage

Please refer to the safety data sheet (SDS) for handling and storage information. It is advisable to convert the product within one year after delivery provided storage conditions are used as given in the SDS of our product. SDS may be obtained from the website: www.totalpetrochemicals.biz

An Injection Moulding troubleshooting guide is available upon request.

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