

TOTAL Polypropylene PPH 9040

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

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.

General Information			
Additive	Nucleating Agent		
Features	Good Stiffness		
	High Clarity		
	Nucleated		
Uses	Appliances		
	Caps		
	Closures		
	Containers		
	Furniture		
	Packaging		
	Toys		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Apparent Density	0.53	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ISO 527-2
Tensile Stress (Yield)	36.0	MPa	ISO 527-2
Tensile Strain (Yield)	8.0	%	ISO 527-2
Flexural Modulus	1900	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.5	kJ/m ²	ISO 179
Notched Izod Impact Strength (23°C)	4.0	kJ/m ²	ISO 180

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	110	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	153	°C	ISO 306/A50
--	97.0	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146

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