

TOTAL Polypropylene PPH 10060

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Polypropylene PPH 10060 is homopolymer with a Melt Flow Index of 35 g/10 min.
Polypropylene PPH 10060 is characterized by high fluidity and is particularly suitable for injection moulding applications. The material provides a good balance between stiffness and impact and allows reduced injection pressure, even for thin walled articles.

General Information			
Features	Good Impact Resistance		
	Good Stiffness		
	High Flow		
Uses	Thin-walled Parts		
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)	35	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	96		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2
Tensile Stress (Yield)	32.0	MPa	ISO 527-2
Tensile Strain (Yield)	9.0	%	ISO 527-2
Flexural Modulus	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179
Notched Izod Impact Strength (23°C)	2.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	100	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	153	°C	ISO 306/A50
--	89.0	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146

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Recommended distributors for this material

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