

TOTAL Polypropylene PPH 1060

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Polypropylene PPH 1060 is a homopolymer with a high molecular weight and a Melt Flow Index of 0.3 g/10 min. PPH 1060 is specifically designed for the extrusion of mineral modified pipes. It is also suitable for the extrusion of sheets and other technical parts. The resin has a high temperature stabilization package. It offers a very high stiffness and a high heat distortion temperature. Polypropylene PPH 1060 is available in natural color.

General Information			
Additive	heat stabilizer		
Features	Rigidity, high		
	High molecular weight		
	Homopolymer		
	Thermal Stability		
Uses	Piping system		
	Sheet		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Forms	Particle		
Processing Method	Pipeline extrusion molding		
	Sheet extrusion molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.30	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2
Tensile Stress (Yield)	33.0	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)	8.0	kJ/m ²	ISO 179
Notched Izod Impact (23°C)	7.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	100	°C	ISO 75-2/B

1.8 MPa, not annealed	55.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	152	°C	ISO 306/A50
--	87.0	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146

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