TotalEnergies

Refining & Chemicals
Polymers

Polypropylene PPH 1060

Technical data sheet
Polypropylene – Homopolymer
Produced in Europe

Description

Polypropylene PPH 1060 is a homopolymer with a high molecular weight and a Melt Flow Index of 0.3 g/10 min.

Polypropylene 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.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	0.3
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	33
Tensile Strain at Yield	ISO 527-2	%	9
Tensile modulus	ISO 527-2	MPa	1600
Flexural modulus	ISO 178	MPa	1500
Izod Impact Strength (notched)	ISO 180	kJ/m²	
at 23°C			7
Charpy Impact Strength (notched)	ISO 179	kJ/m²	
at 23°C			8
Thermal properties			
Melting Point	ISO 3146	°C	165
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			87
10N-50°C per hour			152
Heat Deflection Temperature	ISO 752	°C	
1.80 MPa - 120°C per hour			55
0.45 MPa - 120°C per hour			100
Other physical properties			
Density	ISO 1183	g/cm³	0.905

Polypropylene

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.polymers.totalenergies.com.

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