TotalEnergies

Refining & Chemicals
Polymers

Polypropylene PPH 3060

Technical data sheet
Polypropylene – Homopolymer
Produced in Europe

Description

Polypropylene PPH 3060 is homopolymer with a Melt Flow Index of 1.8 g/10 min.

Polypropylene PPH 3060 is characterized by a low fluidity for continuous extrusion of strapping, rope fibres and high tenacity tapes for bags.

It is also well designed for blow-molding or extrusion-thermoforming

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	1.8
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	35
Elongation at Yield	ISO 527-2	%	10
Tensile modulus	ISO 527-2	MPa	1400
Flexural modulus	ISO 178	MPa	1300
Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m²	6
Charpy Impact Strength (notched) at 23°C	ISO 179	kJ/m²	7
Hardness Rockwell - R-scale	ISO 2039-2		90
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
Bulk Density	ISO 1183	g/cm³	0.525

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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TOTALENERGIES ONE TECH BELGIUM
Zone Industrielle C
B-7181 Feluy
Belgium

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