TotalEnergies

Refining & Chemicals
Polymers

Polypropylene PPH 7059

Technical data sheet
Polypropylene – Homopolymer
Produced in Europe

Description

Polypropylene PPH 7059 is a homopolymer with a Melt Flow Index of 13 g/10 min.

Polypropylene PPH 7059 is intended for the extrusion of staple fibres: it is characterised by excellent spinning properties and provides fibers with good gas fading resistance and optimal thermal bonding performance.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	13
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	35
Elongation at Yield	ISO 527-2	%	10
Tensile modulus	ISO 527-2	MPa	1550
Flexural modulus	ISO 178	MPa	1450
Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m²	3.5
Charpy Impact Strength (notched) at 23°C	ISO 179	kJ/m²	4.5
Hardness Rockwell - R-scale	ISO 2039-2		95
Thermal properties			
Melting Point	ISO 3146	°C	160-165
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

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.

Polypropylene

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