



**TotalEnergies**

Refining & Chemicals  
Polymers

## Polypropylene PPH 4069

Technical data sheet  
Polypropylene – Homopolymer  
Produced in Europe

### Description

Polypropylene PPH 4069 is homopolymer with a Melt Flow Index of 4 g/10 min.

Polypropylene PPH 4069 is intended for extrusion of high tenacity staple fibres for nonwoven applications. It exhibits excellent spinning properties.

Polypropylene PPH 4069 has an anti gas-fading formulation to reduce yellowing in fibres.

### Characteristics

	Method	Unit	Typical Value
<b>Rheological properties</b>			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	4
<b>Mechanical properties</b>			
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/m <sup>2</sup>	3.5
Charpy Impact Strength (notched) at 23°C	ISO 179	kJ/m <sup>2</sup>	4.5
Hardness Rockwell - R-scale	ISO 2039-2		95
<b>Thermal properties</b>			
Melting Point	ISO 3146	°C	164
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			85
10N-50°C per hour			150
Heat Deflection Temperature	ISO 752	°C	
1.80 MPa - 120°C per hour			55
0.45 MPa - 120°C per hour			100
<b>Other physical properties</b>			
Density	ISO 1183	g/cm <sup>3</sup>	0.905
Bulk Density	ISO 1183	g/cm <sup>3</sup>	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](http://www.polymers.totalenergies.com).

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