



**TotalEnergies**

Refining & Chemicals  
Polymers

## Polypropylene PPH 10012

Technical data sheet  
Polypropylene – Homopolymer  
Produced in Europe

### Description

Polypropylene PPH 10012 is a nucleated and antistatic homopolymer polypropylene obtained by controlled rheology.

Polypropylene PPH 10012 is intended for high speed injection moulding of household articles, lightweight dairy tubs and goblets and ice cream boxes.

### Characteristics

	Method	Unit	Typical Value
<b>Rheological properties</b>			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	42
<b>Mechanical properties</b>			
Tensile Strength at Yield	ISO 527-2	MPa	34
Elongation at Yield	ISO 527-2	%	9
Tensile modulus	ISO 527-2	MPa	1600
Flexural modulus	ISO 178	MPa	1500
Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m <sup>2</sup>	3
Charpy Impact Strength (notched) at 23°C	ISO 179	kJ/m <sup>2</sup>	4
Hardness Rockwell - R-scale	ISO 2039-2		98
<b>Thermal properties</b>			
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			56
0.45 MPa - 120°C per hour			105
<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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