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Polymers

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# Polypropylene PPH 12020

Technical data sheet  
Polypropylene – Homopolymer  
Produced in Europe

## Description

Polypropylene PPH 12020 is a clarified high fluidity homopolymer with a Melt Flow Index of 60 g/min.

Polypropylene PPH 12020 has been designed with a very high stiffness and an outstanding transparency. It is suitable for the injection moulding of transparent packaging.

## Characteristics

	Method	Unit	Typical Value
<b>Rheological properties</b>			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	60
<b>Mechanical properties</b>			
Tensile Strength at Yield	ISO 527-2	MPa	37
Elongation at Yield	ISO 527-2	%	8
Tensile modulus	ISO 527-2	MPa	1850
Flexural modulus	ISO 178	MPa	1800
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
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			90
10N-50°C per hour			153
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

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