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Polymers

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# Polypropylene PPH 4030 S05

Technical data sheet  
Polypropylene – Homopolymer  
Produced in Europe

## Description

Polypropylene PPH 4030 S05 is a homopolymer with a Melt Flow Index of 3.3 g/10 min.

Polypropylene PPH 4030 S05 has been designed for the production of BOPP film with the tenter frame process. The product combines a good processability with excellent film properties and is suitable for metallizable films.

## Characteristics

	Method	Unit	Typical Value
<b>Rheological properties</b>			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	3.3
<b>Mechanical properties</b>			
Tensile Strength at Yield	ISO 527-2	MPa	33
Elongation at Yield	ISO 527-2	%	10
Tensile modulus	ISO 527-2	MPa	1450
Flexural modulus	ISO 178	MPa	1350
Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m <sup>2</sup>	5
Charpy Impact Strength (notched) at 23°C	ISO 179	kJ/m <sup>2</sup>	6
Hardness Rockwell - R-scale	ISO 2039-2		90
<b>Thermal properties</b>			
Melting Point	ISO 3146	°C	160-165
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

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