



**TotalEnergies**

Refining & Chemicals  
Polymers

## Polypropylene PPC 3650

Technical data sheet  
Polypropylene – Heterophasic Copolymer  
Produced in Europe

### Description

Polypropylene PPC 3650 is heterophasic copolymer with a Melt Flow Index of 2 g/10 min.

Polypropylene PPC 3650 provides an excellent balance between toughness and flow, being particularly suitable in injection molding for heavy duty applications such as tote bins, bread & vegetable trays, crates and large pails.

### Characteristics

	Method	Unit	Typical Value
<b>Rheological properties</b>			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	2
<b>Mechanical properties</b>			
Tensile Strength at Yield	ISO 527-2	MPa	24
Elongation at Yield	ISO 527-2	%	11
Tensile modulus	ISO 527-2	MPa	1250
Flexural modulus	ISO 178	MPa	1150
Izod Impact Strength (notched)	ISO 180	kJ/m <sup>2</sup>	
at 23°C			>50
at -20°C			6.5
Charpy Impact Strength (notched)	ISO 179	kJ/m <sup>2</sup>	
at 23°C			>50
at -20°C			7.5
Hardness Rockwell - R-scale	ISO 2039-2		78
<b>Thermal properties</b>			
Melting Point	ISO 3146	°C	165
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			65
10N-50°C per hour			147
Heat Deflection Temperature	ISO 752	°C	
1.80 MPa - 120°C per hour			48
0.45 MPa - 120°C per hour			90
<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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