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Polymers

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## Polypropylene PPC 7650

Technical data sheet  
Polypropylene – Heterophasic Copolymer  
Produced in Europe

### Description

Polypropylene PPC 7650 is a nucleated heterophasic copolymer with a Melt Flow Index of 15 g/10 min. Polypropylene PPC 7650 is characterized by a medium fluidity offering a combination of ease of processing and excellent impact properties in applications ranging from industrial to household. Polypropylene PPC 7650 has been developed for the manufacture of garden furniture, battery cases, caps, closures, paint containers and toys.

### Characteristics

	Method	Unit	Typical Value
<b>Rheological properties</b>			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	15
<b>Mechanical properties</b>			
Tensile Strength at Yield	ISO 527-2	MPa	26
Elongation at Yield	ISO 527-2	%	10
Tensile modulus	ISO 527-2	MPa	1500
Flexural modulus	ISO 178	MPa	1400
Izod Impact Strength (notched)	ISO 180	kJ/m <sup>2</sup>	
at 23°C			9
at -20°C			5.5
Charpy Impact Strength (notched)	ISO 179	kJ/m <sup>2</sup>	
at 23°C			10
at -20°C			5
Hardness Rockwell - R-scale	ISO 2039-2		85
<b>Thermal properties</b>			
Melting Point	ISO 3146	°C	165
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			75
10N-50°C per hour			145
Heat Deflection Temperature	ISO 752	°C	
1.80 MPa - 120°C per hour			52
0.45 MPa - 120°C per hour			92
<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

Polypropylene