

Description

Polypropylene PPC 7810B is a very high impact heterophasic copolymer with a Melt Flow Index of 13 g/10min.

Polypropylene PPC 7810B has been specially developed for the injection moulding of automotive parts that require a very high impact resistance even at low temperature, like automotive bumpers.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	13
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	20
Elongation at Yield	ISO 527-2	%	6
Tensile modulus	ISO 527-2	MPa	900
Flexural modulus	ISO 178	MPa	950
Izod Impact Strength (notched)	ISO 180	kJ/m ²	
at 23°C			>50
at -20°C			8.5
Charpy Impact Strength (notched)	ISO 179	kJ/m ²	
at 23°C			>50
at -20°C			8
at -30°C			7
Hardness Rockwell - R-scale	ISO 2039-2		78
Thermal properties			
Melting Point	ISO 3146	°C	165
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			65
10N-50°C per hour			135
Heat Deflection Temperature	ISO 75-2	°C	
1.80 MPa - 120°C per hour			50
0.45 MPa - 120°C per hour			92
Other physical properties			
Density	ISO 1183	g/cm ³	0.905
Bulk Density	ISO 1183	g/cm ³	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: <http://www.totalrefiningchemicals.com>

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