TotalEnergies

Refining & Chemicals
Polymers

Polypropylene PPC 1640

Technical data sheet
Polypropylene – Heterophasic Copolymer
Produced in Europe

Description

Polypropylene PPC 1640 is a nucleated heterophasic (block) copolymer with a Melt Flow Index of 0.3 g/10'. This resin has a long-term heat stabilization package. It exhibits high stiffness in combination with outstanding impact strength even at very low temperatures.

Polypropylene PPC 1640 has been specifically developed for the extrusion of non-pressure pipes. Other applications include sheet and blow molding.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	0.3
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	28
Elongation at Yield	ISO 527-2	%	9
Tensile modulus	ISO 527-2	MPa	1340
Flexural modulus	ISO 178	MPa	1350
Izod Impact Strength (notched)	ISO 180	kJ/m²	
at 23°C			>80
at -20°C			8
Charpy Impact Strength (notched)	ISO 179	kJ/m²	
at 23°C			>80
at -20°C			8
Thermal properties			
Melting Point	ISO 3146	°C	165
Other physical properties			
Density	ISO 1183	g/cm³	0.905
Bulk Density	ISO 1183	g/cm³	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.

Polypropylene

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