TOTAL Polypropylene PPC 1640

Polypropylene Impact Copolymer

TOTAL Refining & Chemicals

Message:

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.

General Information	
Additive	Heat Stabilizer
Features	Good Impact Resistance Heat Stabilized High Stiffness Low Temperature Impact Resistance
Uses	Blow Molding Applications Piping Sheet
Agency Ratings	EC 1907/2006 (REACH)
Processing Method	Blow Molding Extrusion Pipe Extrusion Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ISO 1183
Apparent Density	0.53	g/cm³	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.30	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1340	MPa	ISO 527-2
Tensile Stress (Yield)	28.0	MPa	ISO 527-2
Tensile Strain (Yield)	9.0	%	ISO 527-2
Flexural Modulus	1350	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-20°C	8.0	kJ/m²	
23°C	> 80	kJ/m²	
Notched Izod Impact Strength			ISO 180
-20°C	8.0	kJ/m²	

23°C	> 80	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	165	°C	ISO 3146

Recommended distributors for this material

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