

Total PPC 1645 Polypropylene, Heterophasic Copolymer, Pipes

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Extrusion Grade

Material Notes:

Polypropylene PPC 1645 is a nucleated heterophasic (block) copolymer with a Melt Flow index of 0.3 g/10 min. This resin has a long-term heat stabilization package. It offers a very high stiffness while keeping good impact strength (even at very low temperatures) and excellent processability. Polypropylene PPC 1645 has been designed to allow pipe thickness reduction, resulting in cost savings. Polypropylene PPC 1645 can also be used for blow molding and other extrusion applications. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPC-1645-Polypropylene-Heterophasic-Copolymer-Pipes.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.905 g/cc	0.905 g/cc	ISO 1183
Oxidative Induction Time (OIT)	>= 10 min	>= 10 min	EN 728
	@Temperature 200 °C	@Temperature 392 °F	
Melt Flow	0.30 g/10 min	0.30 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	32.0 MPa	4640 psi	ISO 527-2
Elongation at Yield	8.0 %	8.0 %	ISO 527-2
Tensile Modulus	1.80 GPa	261 ksi	ISO 527-2
Flexural Modulus	1.70 GPa	247 ksi	ISO 178
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 ft-lb/in ²	ISO 180
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	>= 50.0 kJ/m ²	>= 23.8 ft-lb/in ²	ISO 180
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	>= 5.00 J/cm ²	>= 23.8 ft-lb/in ²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	ISO 3146

Thermal Properties

Metric

English

Comments

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China