

CTC X-PRO TF 1040 GP Polypropylene Homopolymer, 40% Talc Filled

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Talc Filler

Material Notes:

X-PRO TF 1040 GP is a 40% talc reinforced polypropylene homopolymer and made of 98% recycled content. It has applications in: automotive, industrial, construction, consumer and lawn & garden products. Data provided by Composite Technologies (CTC).

Order this product through the following link:

http://www.lookpolymers.com/polymer_CTC-X-PRO-TF-1040-GP-Polypropylene-Homopolymer-40-Talc-Filled.php

Physical Properties	Metric	English	Comments
Melt Flow	10 g/10 min	10 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	13.8 MPa	2000 psi	ISO 527-1/2
Flexural Modulus	1.72 GPa	250 ksi	0.05 in/min; ISO 178
Izod Impact, Notched	1.33 J/cm	2.50 ft-lb/in	ISO 180/A

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	204 - 216 °C	400 - 420 °F	
Middle Barrel Temperature	216 - 227 °C	420 - 440 °F	
Front Barrel Temperature	227 - 238 °C	440 - 460 °F	
Melt Temperature	227 - 238 °C	440 - 460 °F	
Mold Temperature	26.7 - 60.0 °C	80.0 - 140 °F	
Back Pressure	0.689 - 1.03 MPa	100 - 150 psi	
Clamp Pressure	27.6 - 34.5 MPa	4000 - 5000 psi	

Descriptive Properties	Value	Comments
Boost Pressure (psi)	750-1500	
Hold Pressure	50 - 75% of Boost	
Screw Speed	Fast	

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