

CTC X-PRO PP 2050 Polypropylene Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

X-PRO PP 2050 is a high melt polypropylene copolymer. It has applications in general purpose industrial, housewares, and construction. Data provided by Composite Technologies (CTC).

Order this product through the following link:

http://www.lookpolymers.com/polymer_CTC-X-PRO-PP-2050-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Melt Flow	45 g/10 min	45 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.2 MPa	2500 psi	ISO 527-1/2
Flexural Modulus	0.965 GPa	140 ksi	0.05 in/min; ISO 178
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ISO 180/A

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	182 - 216 °C	360 - 420 °F	
Middle Barrel Temperature	193 - 227 °C	380 - 440 °F	
Front Barrel Temperature	204 - 216 °C	400 - 420 °F	
Nozzle Temperature	204 - 216 °C	400 - 420 °F	
Melt Temperature	204 - 227 °C	400 - 440 °F	
Mold Temperature	26.7 - 60.0 °C	80.0 - 140 °F	
Back Pressure	0.345 - 1.03 MPa	50.0 - 150 psi	
Clamp Pressure	27.6 - 34.5 MPa	4000 - 5000 psi	

Descriptive Properties	Value	Comments
Boost Pressure (psi)	500-1500	
Color	General Purpose Black	
Hold Pressure	50 - 75% of Boost	
Screw Speed	Medium to Fast	

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