

CTC X-PRO CTC PP 2015 Polypropylene Impact Copolymer

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

Material Notes:

X-PRO PP 2015 is an impact, 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-CTC-PP-2015-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Melt Flow	15 g/10 min	15 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.1 MPa	3500 psi	ISO 527-1/2
Flexural Modulus	0.827 GPa	120 ksi	0.05 in/min; ISO 178
Izod Impact, Notched	0.534 J/cm	1.00 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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