

## CTC X-PRO PP 100 P1015 Polypropylene Homopolymer

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

**Material Notes:**

X-PRO PP 1015 is a polypropylene homopolymer. Its applications are: general purpose industrial injection molding, virgin polypropylene diluents, and polymer base for glass, talc or specialty filled compounds. Data provided by Composite Technologies (CTC).

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_CTC-X-PRO-PP-100-P1015-Polypropylene-Homopolymer.php](http://www.lookpolymers.com/polymer_CTC-X-PRO-PP-100-P1015-Polypropylene-Homopolymer.php)

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in <sup>3</sup>	ASTM-D792
Melt Flow	15 g/10 min	15 g/10 min	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.0 MPa	4500 psi	2 in/min; ASTM-D638
Elongation at Yield	10 %	10 %	2 in/min; ASTM-D638
Flexural Modulus, 1% Secant	1210 MPa	175000 psi	0.05 in/min; ASTM-D790
Izod Impact, Notched	0.267 J/cm	0.500 ft-lb/in	ASTM-D256

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	246 - 274 °C	475 - 525 °F	
Middle Barrel Temperature	246 - 274 °C	475 - 525 °F	
Front Barrel Temperature	246 - 274 °C	475 - 525 °F	
Mold Temperature	21.1 - 65.6 °C	70.0 - 150 °F	
Back Pressure	0.345 - 1.03 MPa	50.0 - 150 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	

**Contact Songhan Plastic Technology Co.,Ltd.**

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