

## Multibase Multi-Pro® 4012 X Platinum Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

Glass Fiber Reinforced, 42% by weight. Forms: Pellets Processing Methods: Injection Molding Features: Appearance, Pleasing

Surface Uses: Appliances Information provided by Multibase

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Multibase-Multi-Pro-4012-X-Platinum-Polypropylene.php](http://www.lookpolymers.com/polymer_Multibase-Multi-Pro-4012-X-Platinum-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.050 cm/cm	0.050 in/in	ASTM D955
Melt Flow	14 g/10 min	14 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	25.1 MPa	3640 psi	ASTM D638
Elongation at Break	15 %	15 %	ASTM D638
Flexural Modulus	3.08 GPa	446 ksi	ASTM D790
Izod Impact, Notched	0.416 J/cm	0.780 ft-lb/in	73°F; ASTM D256
Gardner Impact	0.7909 J	0.5833 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	141 °C	285 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	199 - 260 °C	390 - 500 °F	
Middle Barrel Temperature	204 - 260 °C	400 - 500 °F	
Front Barrel Temperature	216 - 260 °C	420 - 500 °F	
Nozzle Temperature	216 - 249 °C	420 - 480 °F	
Mold Temperature	4.44 - 65.6 °C	40.0 - 150 °F	
Drying Temperature	93.3 °C	200 °F	
Dry Time	2 hour	2 hour	
Back Pressure			

Processing Properties	0.138 - 0.345 MPa Metric	20.0 - 50.0 psi English	Comments
Screw Speed	40 - 100 rpm	40 - 100 rpm	

Descriptive Properties	Value	Comments
Clamp Tonnage	2-4 tons/in <sup>2</sup>	
Screw L/D Ratio	20:1	

## Contact Songhan Plastic Technology Co.,Ltd.

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