

## Multibase Multi-Pro® 4010 M Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

Mica Filled, 40% by weight. Forms: Pellets Processing Methods: Injection Molding Uses: Pump Parts Information provided by Multibase

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Multibase-Multi-Pro-4010-M-Polypropylene.php](http://www.lookpolymers.com/polymer_Multibase-Multi-Pro-4010-M-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	ASTM D955
Melt Flow	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	40.7 MPa	5900 psi	ASTM D638
Elongation at Break	16 %	16 %	ASTM D638
Flexural Modulus	5.79 GPa	840 ksi	ASTM D790
Izod Impact, Notched	0.320 J/cm	0.600 ft-lb/in	73°F; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	138 °C	280 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	216 - 260 °C	420 - 500 °F	
Middle Barrel Temperature	216 - 260 °C	420 - 500 °F	
Front Barrel Temperature	221 - 260 °C	430 - 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	0.138 - 0.345 MPa	20.0 - 50.0 psi	
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.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China