

## Multibase Multi-Pro® 5014 CUW Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

Calcium Carbonate Filler. Forms: Pellets Processing Methods: Injection Molding Uses: Furniture Information provided by Multibase

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Multibase-Multi-Pro-5014-CUW-Polypropylene.php](http://www.lookpolymers.com/polymer_Multibase-Multi-Pro-5014-CUW-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.011 cm/cm	0.011 in/in	ASTM D955
Melt Flow	14 g/10 min	14 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.5 MPa	3850 psi	ASTM D638
Elongation at Break	150 %	150 %	ASTM D638
Flexural Yield Strength	41.4 MPa	6000 psi	ASTM D790
Flexural Modulus	1.79 GPa	260 ksi	ASTM D790
Izod Impact, Notched	0.481 J/cm	0.900 ft-lb/in	73°F; ASTM D256
Gardner Impact	8.248 J	6.083 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	62.8 °C	145 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	188 - 216 °C	370 - 420 °F	
Middle Barrel Temperature	199 - 232 °C	390 - 450 °F	
Front Barrel Temperature	199 - 232 °C	390 - 450 °F	
Nozzle Temperature	193 - 227 °C	380 - 440 °F	
Mold Temperature	4.44 - 65.6 °C	40.0 - 150 °F	
Drying Temperature	93.3 °C	200 °F	

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

## 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