

## Polykemi AB POLYfill PPH T15010 H VTUV1 Polypropylene Homopolymer, Mineral Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 10% Talc Filler

### Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polykemi-AB-POLYfill-PPH-T15010-H-VTUV1-Polypropylene-Homopolymer-Mineral-Reinforced.php](http://www.lookpolymers.com/polymer_Polykemi-AB-POLYfill-PPH-T15010-H-VTUV1-Polypropylene-Homopolymer-Mineral-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in <sup>3</sup>	ISO 1183
Filler Content	10 %	10 %	±2%; Polykemi
Linear Mold Shrinkage	0.013 - 0.016 cm/cm	0.013 - 0.016 in/in	With Flow; ISO 2577
	0.013 - 0.016 cm/cm	0.013 - 0.016 in/in	Across Flow; ISO 2577
Melt Index of Compound	15 g/10 min @Load 2.16 kg, Temperature 230 °C	15 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 31.0 MPa	<= 4500 psi	ISO/R527
Elongation at Yield	12 %	12 %	ISO/R527
Flexural Strength	<= 45.0 MPa	<= 6530 psi	ISO 178
Flexural Modulus	1.80 GPa @Temperature 23.0 °C	261 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	0.500 J/cm <sup>2</sup> @Temperature 23.0 °C	2.38 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	101 °C	214 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	120°C/h; ISO 75/1
Vicat Softening Point	67.0 °C @Load 5.001 kg	153 °F @Load 11.03 lb	50°C/h; ISO 306
	134 °C	273 °F	

Thermal Properties	Metric @Load 1.00 kg	English @Load 2.21 lb	50°C/h· ISO 306 Comments
Flammability, UL94	HB  @Thickness 1.60 mm	HB  @Thickness 0.0630 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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