

## Polykemi AB POLYfill PPC 15000 Polypropylene Copolymer

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

### Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polykemi-AB-POLYfill-PPC-15000-Polypropylene-Copolymer.php](http://www.lookpolymers.com/polymer_Polykemi-AB-POLYfill-PPC-15000-Polypropylene-Copolymer.php)

Physical Properties	Metric	English	Comments
Density	0.910 g/cc	0.0329 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage	0.015 - 0.018 cm/cm	0.015 - 0.018 in/in	With Flow; ISO 2577
	0.015 - 0.018 cm/cm	0.015 - 0.018 in/in	Across Flow; ISO 2577
Melt Index of Compound	15 g/10 min	15 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 28.0 MPa	<= 4060 psi	ISO/R527
Elongation at Yield	6.0 %	6.0 %	ISO/R527
Flexural Modulus	1.30 GPa	189 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	NB	NB	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.300 J/cm <sup>2</sup>	1.43 ft-lb/in <sup>2</sup>	ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.700 J/cm <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	53.0 °C	127 °F	120°C/h; ISO 75/1
Vicat Softening Point	68.0 °C	154 °F	50°C/h; ISO 306
	@Load 5.001 kg	@Load 11.03 lb	

Thermal Properties	151 °C Metric	304 °F English	Comments
	@Load 1.00 kg	@Load 2.21 lb	ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
Glow Wire Test	650 °C @Thickness 2.00 mm	1200 °F @Thickness 0.0787 in	IEC 695-2-1

## Contact Songhan Plastic Technology Co.,Ltd.

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