

## Solvay Specialty Polymers Primef® 5084 30% GF PPS, Lubricated Grade (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS), PTFE/Glass-Fiber Filled

### Material Notes:

Contains PTFE lubricant. Used for injection molding of high performance parts.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Specialty-Polymers-Primef-5084-30-GF-PPS-Lubricated-Grade-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Primef-5084-30-GF-PPS-Lubricated-Grade-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.68 g/cc	0.0607 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0010 - 0.0020 cm/cm	0.0010 - 0.0020 in/in	Solvay Test Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	140 MPa	20300 psi	ISO 527
Elongation at Break	1.8 %	1.8 %	ISO 527
Tensile Modulus	12.0 GPa	1740 ksi	ISO 527
Flexural Strength	190 MPa	27600 psi	ISO 178
Flexural Modulus	10.5 GPa	1520 ksi	ISO 178
Izod Impact, Notched	0.550 J/cm	1.03 ft-lb/in	ISO 180
Izod Impact, Unnotched	4.00 J/cm	7.49 ft-lb/in	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	280 °C	536 °F	
Deflection Temperature at 1.8 MPa (264 psi)	>= 260 °C	>= 500 °F	ISO 75
Glass Transition Temp, Tg	90.0 °C	194 °F	
Flammability, UL94	V-0 @Thickness 0.800 mm	V-0 @Thickness 0.0315 in	

Processing Properties	Metric	English	Comments
Nozzle Temperature	320 - 350 °C	608 - 662 °F	
Melt Temperature	320 - 330 °C	608 - 626 °F	
Mold Temperature	150 - 160 °C	302 - 320 °F	

Processing Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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