

## RTP Company RTP 2202 M 25 Polyetheretherketone (PEEK) Glass Fiber 15% - Mineral 25% (disco)

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Glass Fiber Filled

### Material Notes:

Glass Fiber 15% - Mineral 25%  
 Comments: Glass Fiber Mineral Unless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties. Information provided by RTP Company. Data for this product has not been recently verified, please contact RTP Company for more information before specifying this grade.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_RTP-Company-RTP-2202-M-25-nbspPolyetheretherketone-PEEKnbspGlass-Fiber-15-Mineral-25-nbspdisco.php](http://www.lookpolymers.com/polymer_RTP-Company-RTP-2202-M-25-nbspPolyetheretherketone-PEEKnbspGlass-Fiber-15-Mineral-25-nbspdisco.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.63 g/cc	1.63 g/cc	ASTM D792
Filler Content	15 %	15 %	
Water Absorption	0.12 %	0.12 %	24 hours at 23°C; ASTM D570
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	
	0.0040 cm/cm	0.0040 in/in	ASTM D955
	@Thickness 6.35 mm	@Thickness 0.250 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	124 MPa	18000 psi	ASTM D638
Elongation at Break	1.0 - 2.0 %	1.0 - 2.0 %	ASTM D638
Modulus of Elasticity	11.7 GPa	1700 ksi	ASTM D638
Flexural Yield Strength	193 MPa	28000 psi	ASTM D790
Flexural Modulus	8.96 GPa	1300 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	
Izod Impact, Unnotched	5.34 J/cm	10.0 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	25.2 µm/m-°C	14.0 µin/in-°F	ASTM D696

Thermal Properties	@Temperature 20.0 °C Metric	@Temperature 68.0 °F English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 260 °C	>= 500 °F	ASTM D648
Flammability, UL94	V-0 @Thickness 1.59 mm	V-0 @Thickness 0.0625 in	Per testing by RTP Company; ASTM D3801

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Strength	15.7 kV/mm	400 kV/in	S/T; ASTM D149

Processing Properties	Metric	English	Comments
Processing Temperature	343 - 388 °C	650 - 730 °F	
Mold Temperature	163 - 218 °C	325 - 425 °F	
Injection Pressure	82.7 - 124 MPa	12000 - 18000 psi	

Descriptive Properties	Value	Comments
Color	Natural/Black	

## Contact Songhan Plastic Technology Co.,Ltd.

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