

SGL Carbon Group SIGRAFIL CÂ® filled PEEK

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

Material Notes:

Information provided by SGL Carbon Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_SGL-Carbon-Group-SIGRAFIL-C-filled-PEEK.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	
Water Absorption	0.17 %	0.17 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	218 MPa	31600 psi	
Elongation at Break	1.6 %	1.6 %	
Flexural Strength	297 MPa	43100 psi	
Flexural Modulus	17.8 GPa	2580 ksi	
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 ft-lb/in ²	
Izod Impact, Unnotched (ISO)	43.2 kJ/m ²	20.6 ft-lb/in ²	

Electrical Properties	Metric	English	Comments
Volume Resistivity	5500 ohm-cm	5500 ohm-cm	

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