

SGL Carbon Group EK 203 Graphite

Category : Carbon , Graphite

Material Notes:

Good mechanical strength, good sliding properties, high temperature resistance, high thermal shock resistance, low wettability, high corrosion resistance, high thermal conductivity, high purity, and good electrical conductivity. Typical Applications: Bearings, seals for compressors Certified for use in potable water and/or in foodstuff Information provided by SGL Carbon Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_SGL-Carbon-Group-EK-203-Graphite.php

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in ³	
Open Porosity	<= 2.5 %	<= 2.5 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	Size/Load - 10/150
Hardness, Shore C	102	102	
Modulus of Elasticity	11.7 GPa	1700 ksi	
Flexural Strength	41.4 MPa	6000 psi	
Compressive Strength	159 MPa	23000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	6.12 Åµm/m-Å°C	3.40 Åµin/in-Å°F	
	@Temperature 20.0 Å°C	@Temperature 68.0 Å°F	
Thermal Conductivity	25.9 W/m-K	180 BTU-in/hr-ftÅ²-Å°F	
Maximum Service Temperature, Air	177 Å°C	350 Å°F	In oxygen
Maximum Service Temperature, Inert	177 Å°C	351 Å°F	Reducing Atm.

Descriptive Properties	Value	Comments
Impregnation	Resin	

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