

SGL Carbon Group EK 2203 Carbon 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: High Loaded Seals
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-2203-Carbon-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	110	110	Size/Load - 5/100
Hardness, Shore C	97	97	
Modulus of Elasticity	24.8 GPa	3600 ksi	
Flexural Strength	65.5 MPa	9500 psi	
Compressive Strength	200 MPa	29000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	3.78 Åµm/m-Å°C @Temperature 20.0 Å°C	2.10 Åµin/in-Å°F @Temperature 68.0 Å°F	
Thermal Conductivity	13.8 W/m-K	96.0 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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