

SGL Carbon Group EK 2201 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-2201-Carbon-Graphite.php

Physical Properties	Metric	English	Comments
Density	1.82 g/cc	0.0658 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	100	100	
Modulus of Elasticity	26.9 GPa	3900 ksi	
Flexural Strength	75.8 MPa	11000 psi	
Compressive Strength	200 MPa	29000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	4.50 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$	2.50 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 $\text{Å}^\circ\text{C}$	@Temperature 68.0 $\text{Å}^\circ\text{F}$	
Thermal Conductivity	13.8 W/m-K	96.0 BTU-in/hr-ft ² - $\text{Å}^\circ\text{F}$	
Maximum Service Temperature, Air	260 $\text{Å}^\circ\text{C}$	500 $\text{Å}^\circ\text{F}$	In oxygen
Maximum Service Temperature, Inert	260 $\text{Å}^\circ\text{C}$	500 $\text{Å}^\circ\text{F}$	Reducing Atm.

Descriptive Properties	Value	Comments
Impregnation	Resin	

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