

SGL Carbon Group EK 3245 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: Dry Running Seals
Information provided by SGL Carbon Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_SGL-Carbon-Group-EK-3245-Carbon-Graphite.php

Physical Properties	Metric	English	Comments
Density	2.20 g/cc	0.0795 lb/in ³	
Open Porosity	<= 2.5 %	<= 2.5 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	Size/Load - 5/100
Hardness, Shore C	105	105	
Modulus of Elasticity	24.1 GPa	3500 ksi	
Flexural Strength	79.3 MPa	11500 psi	
Compressive Strength	248 MPa	36000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	4.68 Åµm/m-Å°C	2.60 Åµin/in-Å°F	
	@Temperature 20.0 Å°C	@Temperature 68.0 Å°F	
Thermal Conductivity	20.8 W/m-K	144 BTU-in/hr-ftÅ²-Å°F	
Maximum Service Temperature, Air	399 Å°C	750 Å°F	In oxygen
Maximum Service Temperature, Inert	538 Å°C	1000 Å°F	Reducing Atm.

Descriptive Properties	Value	Comments
Impregnation	Antimony	

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