

SGL Carbon Group EK 24 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-24-Carbon-Graphite.php

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in ³	
Open Porosity	8.0 %	8.0 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	Size/Load - 5/100
Hardness, Shore C	92	92	
Modulus of Elasticity	17.9 GPa	2600 ksi	
Flexural Strength	58.6 MPa	8500 psi	
Compressive Strength	179 MPa	26000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	4.14 Åµm/m-Å°C @Temperature 20.0 Å°C	2.30 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	399 Å°C	750 Å°F	In oxygen
Maximum Service Temperature, Inert	1204 Å°C	2199 Å°F	Reducing Atm.

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