

SGL Carbon Group EK 204 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. Information provided by SGL Carbon Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_SGL-Carbon-Group-EK-204-Graphite.php

Physical Properties	Metric	English	Comments
Density	1.78 g/cc	0.0643 lb/in ³	
Open Porosity	12 %	12 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	Size/Load - 10/150
Hardness, Shore C	87	87	
Modulus of Elasticity	13.1 GPa	1900 ksi	
Flexural Strength	41.4 MPa	6000 psi	
Compressive Strength	121 MPa	17500 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	4.68 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$	2.60 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 $\text{Å}^\circ\text{C}$	@Temperature 68.0 $\text{Å}^\circ\text{F}$	
Thermal Conductivity	27.7 W/m-K	192 BTU-in/hr-ft ² - $\text{Å}^\circ\text{F}$	
Maximum Service Temperature, Air	593 $\text{Å}^\circ\text{C}$	1100 $\text{Å}^\circ\text{F}$	In oxygen
Maximum Service Temperature, Inert	1204 $\text{Å}^\circ\text{C}$	2199 $\text{Å}^\circ\text{F}$	Reducing Atm.

Descriptive Properties	Value	Comments
Impregnation	Salt	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China