

## SGL Carbon Group EK 20 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-20-Carbon-Graphite.php](http://www.lookpolymers.com/polymer_SGL-Carbon-Group-EK-20-Carbon-Graphite.php)

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in <sup>3</sup>	
Open Porosity	11 %	11 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	Size/Load - 5/100
Hardness, Shore C	83	83	
Modulus of Elasticity	22.1 GPa	3200 ksi	
Flexural Strength	55.2 MPa	8000 psi	
Compressive Strength	155 MPa	22500 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	3.06 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$	1.70 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 $\text{Å}^\circ\text{C}$	@Temperature 68.0 $\text{Å}^\circ\text{F}$	
Thermal Conductivity	12.1 W/m-K	84.0 BTU-in/hr-ft <sup>2</sup> - $\text{Å}^\circ\text{F}$	
Maximum Service Temperature, Air	399 $\text{Å}^\circ\text{C}$	750 $\text{Å}^\circ\text{F}$	In oxygen
Maximum Service Temperature, Inert	1204 $\text{Å}^\circ\text{C}$	2199 $\text{Å}^\circ\text{F}$	Reducing Atm.

## Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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