

## SGL Carbon Group EK 17 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: Gliding elements  
Information provided by SGL Carbon Group

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SGL-Carbon-Group-EK-17-Carbon-Graphite.php](http://www.lookpolymers.com/polymer_SGL-Carbon-Group-EK-17-Carbon-Graphite.php)

Physical Properties	Metric	English	Comments
Density	1.66 g/cc	0.0600 lb/in <sup>3</sup>	
Open Porosity	5.0 %	5.0 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	Size/Load - 10/100
Modulus of Elasticity	30.3 GPa	4400 ksi	
Flexural Strength	68.9 MPa	10000 psi	
Compressive Strength	148 MPa	21500 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	1.98 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$ @Temperature 20.0 $\text{Å}^\circ\text{C}$	1.10 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$ @Temperature 68.0 $\text{Å}^\circ\text{F}$	
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.

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