

## SGL Carbon Group EK 2241 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  
 Certified for use in potable water and/or in foodstuff; Certified for use in oxygenous atmosphere  
 Information provided by SGL Carbon Group

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SGL-Carbon-Group-EK-2241-Carbon-Graphite.php](http://www.lookpolymers.com/polymer_SGL-Carbon-Group-EK-2241-Carbon-Graphite.php)

Physical Properties	Metric	English	Comments
Density	1.81 g/cc	0.0654 lb/in <sup>3</sup>	
Open Porosity	<= 2.5 %	<= 2.5 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	Size/Load - 5/100
Modulus of Elasticity	19.3 GPa	2800 ksi	
Flexural Strength	68.9 MPa	10000 psi	
Compressive Strength	210 MPa	30500 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	5.22 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	2.90 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 $\text{Å}^\circ\text{C}$	@Temperature 68.0 $\text{Å}^\circ\text{F}$	
Thermal Conductivity	17.3 W/m-K	120 BTU-in/hr-ft <sup>2</sup> - $\text{Å}^\circ\text{F}$	
Maximum Service Temperature, Air	260 $\text{Å}^\circ\text{C}$	500 $\text{Å}^\circ\text{F}$	In oxygen
Maximum Service Temperature, Inert	260 $\text{Å}^\circ\text{C}$	500 $\text{Å}^\circ\text{F}$	Reducing Atm.

Descriptive Properties	Value	Comments
Impregnation	Resin	

## Contact Songhan Plastic Technology Co.,Ltd.

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