

## Anderman Ceramics EC90P Mullite-Bonded Porous Silicon Carbide (90%)

Category : Ceramic , Carbide

**Material Notes:**

Excellent thermal shock properties and thermal conductivity when in contact with molten metal. Available as tube, sheath, or rod up to 6 ft (1.9 m) long with diameters 0.6" to 3.75". Information provided by Anderman Ceramics.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Anderman-Ceramics-EC90P-Mullite-Bonded-Porous-Silicon-Carbide-90.php](http://www.lookpolymers.com/polymer_Anderman-Ceramics-EC90P-Mullite-Bonded-Porous-Silicon-Carbide-90.php)

Physical Properties	Metric	English	Comments
Density	2.20 g/cc	0.0795 lb/in <sup>3</sup>	
Open Porosity	25 %	25 %	

Thermal Properties	Metric	English	Comments
CTE, linear	5.00 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	2.78 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 20.0 - 1000 $^\circ\text{C}$	@Temperature 68.0 - 1830 $^\circ\text{F}$	
Thermal Conductivity	25.0 W/m-K	174 BTU-in/hr-ft <sup>2</sup> - $^\circ\text{F}$	
	@Temperature 20.0 - 100 $^\circ\text{C}$	@Temperature 68.0 - 212 $^\circ\text{F}$	
Maximum Service Temperature, Air	1450 $^\circ\text{C}$	2640 $^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	6.5 %	6.5 %	
SiC	90 %	90 %	
SiO <sub>2</sub>	3.5 %	3.5 %	

Descriptive Properties	Value	Comments
Thermal Shock Resistance	Excellent	

## Contact Songhan Plastic Technology Co.,Ltd.

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