

## UCAR Carbon UCAR® CSX Extruded Graphite

Category : Carbon , Graphite

**Material Notes:**

Densified prior to graphitization, Grade CSX is an extruded graphite, higher in strength and lower in permeability than CS. It is a material for applications requiring higher densities, better mechanical properties, and less porosity than CS. Typical Applications: Casting molds and furnace parts for hot metal Powder metallurgy Boats and trays for sintering applications Resistance heating Crucibles for melting and alloying Quartz processing Refractory Systems applications such as blast furnace and submerged arc furnace linings Tabular property data is typical. Information provided by UCAR Carbon Company, a GrafTech International Ltd. company.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_UCAR-Carbon-UCAR-CSX-Extruded-Graphite.php](http://www.lookpolymers.com/polymer_UCAR-Carbon-UCAR-CSX-Extruded-Graphite.php)

Physical Properties	Metric	English	Comments
Density	1.77 g/cc	0.0639 lb/in <sup>3</sup>	
Particle Size	<= 750 µm	<= 750 µm	
Ash	0.090 %	0.090 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	23.4 MPa	3400 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	2.50 µm/m-°C	1.39 µin/in-°F	
	@Temperature 20.0 - 100 °C	@Temperature 68.0 - 212 °F	
Thermal Conductivity	170 W/m-K	1180 BTU-in/hr-ft <sup>2</sup> -°F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.000730 ohm-cm	0.000730 ohm-cm	

## Contact Songhan Plastic Technology Co.,Ltd.

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