

## UCAR Carbon UCAR® CHV Extruded Graphite

Category : Carbon , Graphite

### Material Notes:

Typical uses for extruded grades are in the production of molds and crucibles, heating elements and furnace furniture, liquid metal processing equipment and chemical process equipment. 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-CHV-Extruded-Graphite.php](http://www.lookpolymers.com/polymer_UCAR-Carbon-UCAR-CHV-Extruded-Graphite.php)

Physical Properties	Metric	English	Comments
Density	1.76 g/cc	0.0636 lb/in <sup>3</sup>	
Particle Size	<= 1500 µm	<= 1500 µm	
Ash	1.3 %	1.3 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	15.9 MPa	2300 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	1.10 µm/m-°C	0.611 µin/in-°F	
	@ Temperature 20.0 - 100 °C	@ Temperature 68.0 - 212 °F	
Thermal Conductivity	150 W/m-K	1040 BTU-in/hr-ft <sup>2</sup> -°F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.000800 ohm-cm	0.000800 ohm-cm	

## Contact Songhan Plastic Technology Co.,Ltd.

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