

UCAR Carbon UCAR® CBY Extruded Graphite

Category : Carbon , Graphite

Material Notes:

Grade CBY is a general purpose, cost effective extruded graphite with improved strength, structure and density characteristics. It is a low ash graphite for superior oxidation resistance. Typical Applications: Heat treating boats and trays Furnace parts Fused refractory molds Aluminum runout tables Induction furnace susceptors 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-CBY-Extruded-Graphite.php

Physical Properties	Metric	English	Comments
Density	1.67 g/cc	0.0603 lb/in ³	
Particle Size	<= 750 µm	<= 750 µm	
Ash	0.090 %	0.090 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	16.5 MPa	2400 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	150 W/m-K	1040 BTU-in/hr-ft ² -°F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.000840 ohm-cm	0.000840 ohm-cm	

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