

UCAR Carbon UCAR® SF75 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-SF75-Extruded-Graphite.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|----------|
| Density | 1.72 g/cc | 0.0621 lb/in ³ | |
| Particle Size | <= 750 µm | <= 750 µm | |
| Ash | 0.050 % | 0.050 % | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|----------|----------|----------|
| Flexural Strength | 16.5 MPa | 2400 psi | |

| Thermal Properties | Metric | English | Comments |
|----------------------|-----------------------------|------------------------------------|----------|
| CTE, linear | 0.700 µm/m-°C | 0.389 µin/in-°F | |
| | @ Temperature 20.0 - 100 °C | @ Temperature 68.0 - 212 °F | |
| Thermal Conductivity | 200 W/m-K | 1390 BTU-in/hr-ft ² -°F | |

| Electrical Properties | Metric | English | Comments |
|------------------------|-----------------|-----------------|----------|
| Electrical Resistivity | 0.000550 ohm-cm | 0.000550 ohm-cm | |

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