

Mateck Highly Oriented Pyrolytic Graphite

Category : Carbon , Graphite

Material Notes:

Oxidic single crystals. Applications include: Scanning tunneling microscopy-calibration and substrates Graphite monochromators x-ray diffraction neutron scattering and diffraction

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mateck-Highly-Oriented-Pyrolytic-Graphite.php

Physical Properties	Metric	English	Comments
Density	2.255 - 2.265 g/cc	0.08147 - 0.08183 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	20.0 Åµm/m-Å°C	11.1 Åµin/in-Å°F	Perpendicular (002)
Thermal Conductivity	80.0 W/m-K	555 BTU-in/hr-ft ² -Å°F	Perpendicular (002)
	1600 - 2000 W/m-K	11100 - 13900 BTU-in/hr-ft ² -Å°F	Parallel (002)

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000350 - 0.0000450 ohm-cm	0.0000350 - 0.0000450 ohm-cm	Parallel (002)
	0.150 - 0.250 ohm-cm	0.150 - 0.250 ohm-cm	Perpendicular (002)

Descriptive Properties	Value	Comments
Spacing of reflecting planes (Å...)	3.355-3.359	
Thermal Expansion	Slightly negative	Parallel (002)

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