

General Properties

Mykroy 400 is a ceramoplastic material that bridges the performance characteristics between engineering plastics and ceramics. It is a compression molded glass bonded synthetic mica that has excellent thermal shock resistance, machinability, and homogeneity.

Applications

- Transportation braking systems.
- Semi conductor test and handling devices.
- Glass manufacturing and handling.
- PVD insulators.
- Cryogenic devices.

Physical Properties

Property	Unit	Mykroy 400
Color	—	dark gray
Mica Filler	—	natural
Maximum Use Temperature	°C	400
Density	g/cm ³	2,6
Moisture Absorption	%	0
Flexural Strength	MPa	89,6
Dielectric Strength	kV/mm	28,7
Modulus of Elasticity	GPa	75
Thermal Conductivity	W/m*K	0,87
Thermal Expansion	x10 ⁻⁶ /K	12,5
Rockwell A Hardness	—	46

NOTE: This data shows typical values and does not represent a specification.

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