

General Properties

Mykroy 500 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 500
Color	—	light gray
Mica Filler	—	synthetic
Maximum Use Temperature	°C	500
Density	g/cm ³	2,7
Moisture Absorption	%	0
Flexural Strength	MPa	86,2
Dielectric Strength	kV/mm	20,9
Modulus of Elasticity	GPa	82,7
Thermal Conductivity	W/m*K	1,15
Thermal Expansion	x10 ⁻⁶ /K	11,57
Rockwell A Hardness	—	46

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

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