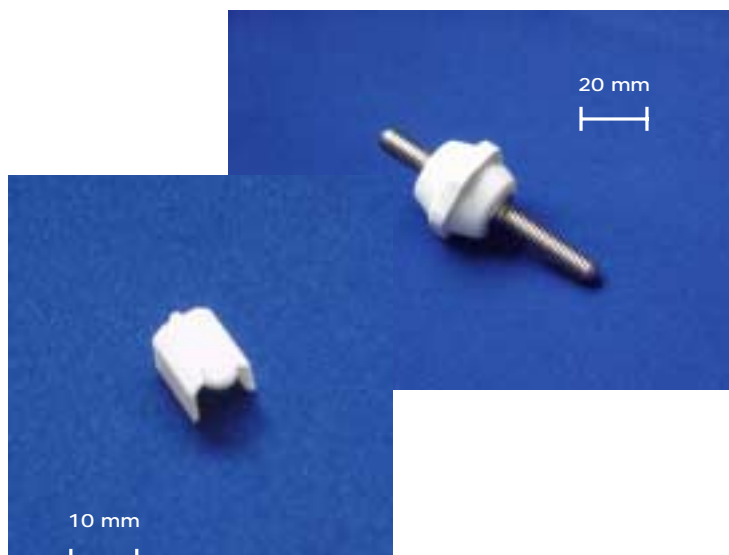


MICAVER[®] HT

NEW PRODUCT

The MICAVER[®] HT is a recently developed high temperature MICAVER[®] grade. It is a glass bonded mica material. It can be moulded like plastics. Metal inserts can be integrated during moulding, the CTE of MICAVER is very close to metals. This allows to create complex shaped parts with different materials, reducing the number of parts and the cost to the customer. It has electrical and thermal properties superior to most organic plastics.



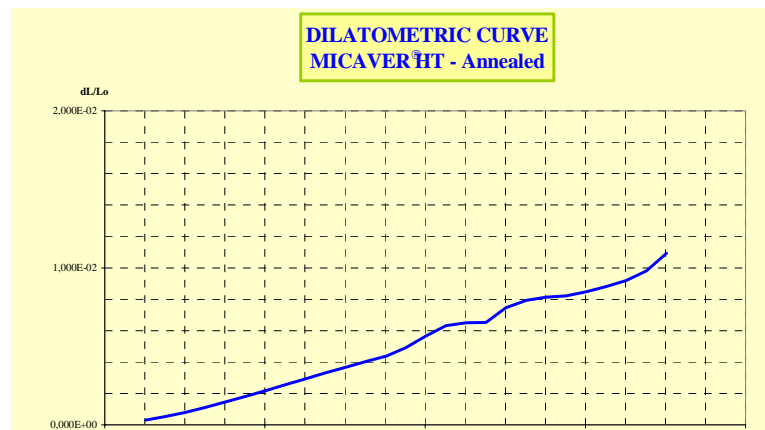
Applications examples

- Infra-Red sockets
- Halogen lamp socket
- High temperature part within automotive engine environment
- Contact material in glass industry
- High temperature electrical devices,...

- White colour
- High mechanical strength
- Up to 700°C (1292°F)
- We can customise design according to your prints
- Built-in inserts possible
- Avoids problems of cements used between ceramics and metals
- Bridges the gap between plastics & ceramics

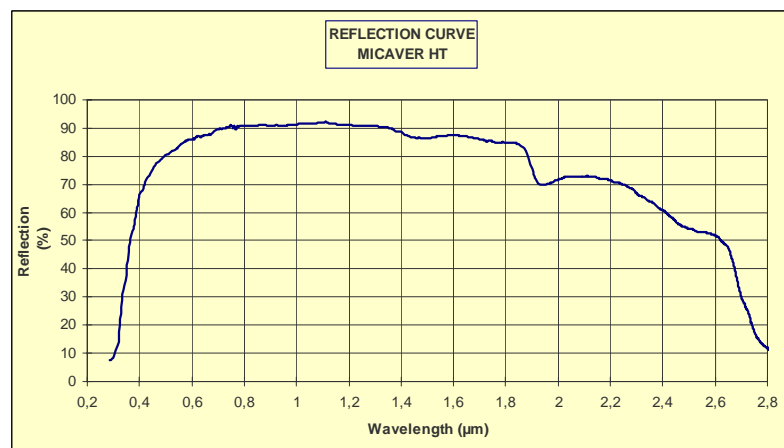
Properties (Typical values)

Property	Test Method	Units	Micaver® HT
Density		g/cm ³	2,8
Tensile strength	NFP 94-422	MPa	53
Flexural Strength	Pr EN 658-3	MPa	80
Compressive strength	ISO 10059-1	MPa	248
Continuous Operating Temperature		°C (°F)	700 (1292)
Maximum Peak Temperature		°C (°F)	750 (1382)
Thermal Expansion Coefficient		10 ⁻⁶ /K	16
Thermal Conductivity 170°C (338°F) 350°C (662°F) 630°C (1166°F)	SFC P 212	W/m/K W/m/K W/m/K	1,0 1,0 0,8
Dielectric Strength		kV/mm	4,2
Surface Resistivity	IEC 93	Ω	1,4.10 ⁹
Volume Resistivity	IEC 93	Ω.cm	3,7.10 ¹⁴
Relative Permittivity 23°C (73.4°F) 1kHz	IEC 250		8,4
Loss Tangent 23°C (73.4°F) 1kHz	IEC 250		0,02



MICAVER® HT combines advantageously :

- high mechanical strength
- good resistance to impact
- moulding ability of plastics
- heat resistance of ceramics.



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The information given in this document is believed to be accurate and reliable. However all data are indicative. It is the users responsibility to determine whether the material is suitable for a particular application process and/or environment. Aiming to constantly improve our manufacturing we reserve the right to modify the technical characteristics of our products.

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