ORKOT GRADE C321

Orkot Grade C321 composite bearing materials incorporate different combinations of fabrics and resin additives for specific use where electrical resistance or high load bearings may be required.

Key Features and Benefits of Orkot C321

- Low thermal conductivity
- High load capacity
- Good chemical resistance
- Damping of vibration
- Dimensional stability
- High electrical resistance

Orkot C321 Applications

- Electrical insulators
- Food Applications
- Structural Parts
- Railways
- Process equipment
- Pumps and Valves
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- Highly loaded bearings operating with intermittent or oscillating movements

Physical Properties

Technical Data	Unit	Value
Specific Gravity	g/cm³	1.3
Continuous Operating Temperature 5	°C	130
Minimum/Maximum Service Temperature in Air	°C	-50 to +110
Tensile Strength	Mpa	60
Hardness	Rockwell M	100
Co-efficient of thermal expansion	m/(m.k)x 10¯6	65
Dielectric Strength	KV/mm	<20
Surface Resistivity	Ohms	2x10^9
Food Grade	FDA	Yes
Normal to Laminate	Mpa	345
Parallel to Laminate	Mpa	95
Normal to Laminate	E-5°C	10
Parallel to Laminate	E-5°C	5
Thermal Conductivity		0.293