

DESCRIPTION

Epoxy tooling boards are a type of material used in the production of models, patterns, and molds. They are made using epoxy resin and other additives. Epoxy tooling boards offer several advantages such as high dimensional stability, excellent surface finish, and good heat resistance.

PROPERTIES

- Fine surface structure
- Low coefficient of thermal expansion
- Made from modified Epoxy resin
- Good compressive and flexural strength
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APPLICATION

- Master models
- Cubing models
- Patterns
- Mould for autoclave use

PHYSICAL PROPERTIES			
Color			Iron Rust
Density at 74°F (23°C)	ISO 854	Kg/m ³	830-850
MECHANICAL PROPERTIES at 23°C			
Hardness	ISO 868	Shore D1	75-80
Flexural strength	ISO 178	MPa	35-40
Compressive strength	ISO 178	MPa	50-60
Glass transition temperature	ASTM E1356	°F (°C)	284 (140)
Heat deflection temperature	ISO 75B	°F (°C)	257 (125)
Coefficient of thermal expansion (CTE)	ISO 11359-2	10 ⁻⁶ .°K ⁻¹	30-40
Standard sheet size			
1500x500x50mm			
1500x500x75mm			
1500x500x100mm			

STORAGE CONDITIONS

Store flat in a dry place. Allow time for material to come to ambient temperature prior to bonding or machining.

HANDLING PRECAUTIONS

Normal health and safety precautions should be observed when handling these products:

- Ensure good ventilation to prevent dust or chip accumulation
- Wear gloves, and safety glasses.
- Do not smoke when machining.