

Ceramax

High Temperature Stiff/Rigid Resin

Excellent abrasion, moisture & thermal resistance



Applications

- Heat and wear resistant components.
- Stiff/Rigid assemblies and prototypes
- Composite ceramic-like components
- Aesthetic components
- Moisture stable components
- Where metal plating of prototype parts is required
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Physical Properties

Colour	Opaque White
Type	Ceramic Filled

Mechanical Properties

		TEST/ISO
Hardness Shore A/D	89D	868
Flexural Strength (MPa)	137 - 145	ATSM D790
Flexural Modulus (MPa)	8,270 - 8,370	
Tensile Strength (MPa)	78 - 87	ATSM D638
Tensile Modulus (MPa)	9,460 - 9,680	
Elongation Break (%)	0.7 - 1.0	
Impact Strength (J/m)	14.5 - 17.9	ATSM D256

Thermal & Specific Properties

Glass Transition Temperature Tg (°C)	108 - 110	DMA,E''
Heat Deflection Temperature (°C)		
@ 66 PSI	148	ATSM D648
@ 264 PSI	95	
@ 66 PSI w/ Thermal Postcure	220	
Co-efficient of Thermal Expansion (µ/m°C)		
TMA (T<Tg, 25 - 57°C)	31.1	ATSM E831-93
TMA (T<Tg, 70 - 200°C)	87.4	

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