

AT-1/AT-3 - Specifications

Description

This material is best suited for large thick-sized parts and has low viscosity and long pot-life. Parts made with this material will have mechanical properties which are close to that of thermoplastics. AT-1 is natural material and can be painted. AT-3 is pigment able so castings can be produced in any color.

Applications

- Commercial product testing
- Functional assembly
- Public surveys
- Field testing
- Visual evaluation
- Aesthetic evaluation

Thermal and Specific Properties

Glass transition temperature* T.M.A.-Mettler	167°F
Linear shrinkage*	0.4%
Maximum casting thickness	0.2 in.

Post-cured Material Properties*

	@23°C
Hardness ISO 868:1985	74 Shore D/1
Flexural modulus ISO 178:2001	218,000 psi
Flexural strength ISO 178:2001	8,000 psi
Tensile strength ISO 527:1993	5,800 psi
Elongation at break ISO 527:1993	20%
Impact strength, Charpy ISO 179/2D:1994	12 ft.-lb.-f/in.2
Impact strength, Notched Izod ASTM D-256	2 ft.-lb.-f/in.2
Impact strength, Unnotched Izod ASTM D-256	8 ft.-lb.-f/in.2

*Average values obtained on standard specimens/postcure 12hrs @ 158°F.

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