

# 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

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

## Post-cured Material Properties\*

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

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

# AT-1/AT-3

