

# AT-1/AT-3 (Temperature Resistant)- Specifications

## Description

This material is ABS-like and is best suited for small to mid-sized parts with high heat deflection temperature. It also has good impact and flexible resistance. AT-1 is a natural colored 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

## Mechanical Properties\*

<b>Hardness</b> ASTM D-2240 @25°C	81 Shore D
<b>Flexural modulus</b> JIS K-7171	1,900 MPa
<b>Flexural strength</b> JIS K-7171	87 MPa
<b>Tensile strength</b> JIS K-7113	54 MPa
<b>Elongation</b> JIS K-7113	15%
<b>Specific gravity</b> JIS K-7112 @25°C	1.22
<b>Impact strength, V Notch</b> JIS K-7110	13 kJ/m <sup>2</sup>
<b>Load deformation temperature</b> JIS K-7191 @Load 0.45 MPa	110°C
<b>Shrinkage</b> t=4 Nippon pelnox standard	0.3%

\* The above values are typical values but not specifications.

# AT-1/AT-3

## (Temperature Resistant)



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