

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*

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|--|------------|
| Hardness ASTM D-2240 @25°C | 81 Shore D |
| Flexural modulus JIS K-7171 | 1,900 MPa |
| Flexural strength JIS K-7171 | 87 MPa |
| Tensile strength JIS K-7113 | 54 MPa |
| Elongation JIS K-7113 | 15% |
| Specific gravity JIS K-7112 @25°C | 1.22 |
| Impact strength, V Notch JIS K-7110 | 13 kJ/m2 |
| Load deformation temperature JIS K-7191 @Load 0.45 MPa | 110°C |
| Shrinkage 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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