

APG91 PELNOX – SPECIFICATIONS



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.

MECHANICAL PROPERTIES*

@23°C AFTER HARDENING

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/m ²
Load deformation temperature JIS K-7191 @Load 0.45 MPa	110°C
Shrinkage t=4 Nippon pelnox standard	0.3%

APPLICATIONS

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

*The above values are typical values but not specifications.