

This material is a flame-retardant polyurethane resin, certified to UL94 V-0 and 5VA standards, making it suitable for small-scale production. It offers excellent dimensional stability and high resistance to ignition.

MECHANICAL PROPERTIES

Hardness	83 Shore D (Testing method: JIS K-7215)
Flexural modulus	2200 MPa (Testing method: JIS K-7171)
Flexural strength	93 MPa (Testing method: JIS K-7171)
Tensile strength	68 MPa (Testing method: JIS K-7113)
Elongation at break	15 % (Testing method: JIS K-7113)
Impact strength	10 kJ/m ² (Testing method: JIS K-7110 Izod V Notch)

APPLICATION

Medical devices
Battery housings
Electrical enclosures

THERMAL PROPERTIES

HDT	80 °C (Testing Method: JIS K-7110)
Coefficient of thermal expansion	$7 \times 10^{-5} \text{ } ^\circ\text{C}^{-1}$ (Testing method: JIS K-6911)
Shrinkage	0.3 % (In-House specification)
Flame Retardance	V-0 (UL File Number E92376)