

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

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|---------------------|---|
| 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) |