

PU8150, ABS-like

Key Features

Heat resistance > 100°C • Impact resistance • Stiffness

Applications

Prototyping • End use parts • Automotive • Electronics • Engineering

Product Description

PU8150 is an ABS-grade urethane resin developed for vacuum casting, providing a balance of impact resistance, stiffness, and dimensional stability comparable to injection-molded ABS parts. The material offers excellent cure properties, practical strength, and stable mechanical properties across a range of temperatures, making it ideal for engineering validation and low-volume manufacturing where ABS-like characteristics are required.

Properties

Tensile strength	73 MPa
Elongation at break	16%
Bending strength	78 MPa
Young's modulus in flexure	1,790 MPa
Impact strength	12 kJ/m ²
Heat deflection temperature (1.80 MPa)	100°C
Coefficient of thermal expansion (JIS K-6911)	6x10 ⁵
Density	1.09 g/cm ³
Hardness	84D
Flame retardancy (UL94)	HB

Reference

For more detailed source information, please consult the original document linked [here](#). We encourage users to verify the data's relevance and suitability for their specific needs.

