

PU8098, PC-like

Key Features

Heat resistance > 100°C • Impact resistance • Stiffness • Smooth surface

Applications

Prototyping • End use parts • Automotive • Electronics • Engineering

Product Description

PU8098 is a polyurethane resin for vacuum casting that mimics the properties of polycarbonate, offering high stiffness and heat resistance for functional prototypes and small-series production. It has a deflection temperature under load of 120°C, maintaining dimensional stability and mechanical strength under thermal stress. PU8098 is suitable for demanding applications requiring impact resistance, heat resistance, and structural integrity while retaining a smooth surface finish.

Properties

Tensile strength	70 MPa
Elongation at break	10%
Bending strength	75 MPa
Young's modulus in flexure	1,600 MPa
Heat deflection temperature (0.45 MPa)	10 kJ/m ²
Heat deflection temperature (1.80 MPa)	120°C
Density	1.09 g/cm ³
Hardness	85D

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.

