

PU8570, PP-like

Key Features

Flexibility • Smooth surface

Applications

Prototyping • End use parts • Automotive • Engineering

Product Description

PU8570 is a polyurethane resin for vacuum casting developed to mimic PP (polypropylene) for prototype and small-series production of tough, flexible parts. It offers a high flexural modulus (1600 MPa), good impact resistance (11 kJ/m²), and a deflection temperature of 90°C, making it suitable for interior and exterior automotive parts and large cast products requiring dimensional stability and durability.

Properties

Tensile strength	50 MPa
Elongation at break	35%
Bending strength	65 MPa
Young's modulus in flexure	1,600 MPa
Impact strength	11 kJ/m ²
Heat deflection temperature (1.80 MPa)	90°C
Coefficient of thermal expansion (JIS K-6911)	8x10 ⁵
Density	1.11 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.

