

UMA 90

Key Features

Impact resistance • Stiffness • Dimensional stability • Chemical resistance

Applications

Prototyping • Jig and fixtures • Aerospace • Automotive • Engineering • Consumer goods

Product Description

UMA 90 (Urethane Methacrylate) is a single-component rigid resin, akin to traditional SLA resins. This characteristic allows for rapid printing, making it ideal for validating designs or manufacturing parts for applications with lower demands. Particularly suitable for manufacturing jigs, fixtures, and general-purpose prototypes.

Properties

Tensile modulus	1,400 MPa
Tensile strength	30 MPa
Elongation at break	30%
Flexural stress (at 5% strain)	50MPa
Flexural modulus	1,200 MPa
Heat deflection temperature (0.45 MPa)	45°C
Heat deflection temperature (1.80 MPa)	35°C
Density	1.2 g/cm ³
Hardness	86D

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.

