

PX100, ABS-like

Key Features

Impact resistance • Smooth surface • Paintable

Applications

Prototyping • End use parts • Engineering

Product Description

PX100 is a urethane casting resin for vacuum casting, designed to replicate ABS-like properties for functional prototypes and technical parts. It offers a high flexural modulus of 1500 MPa, tensile strength of 40 MPa, and a glass transition temperature of 75°C, providing a thermoplastic appearance with good rigidity and moderate impact resistance. PX100 features low viscosity, long pot life (15 min), and a smooth surface finish that can be painted, making it ideal for the production of precise prototypes and mock-ups requiring the mechanical properties of ABS for validation and functional testing.

Properties

Tensile strength	40 MPa
Elongation at break	20%
Flexural strength	55 MPa
Flexural modulus	1,500 MPa
Charpy impact strength	25 kJ/m ²
Glass transition temperature	76°C
Density	1.15 g/cm ³
Hardness	74D

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.

