

PX118, ABS-like

Key Features

Impact resistance • Paintable

Applications

Prototyping • Jigs & fixtures • Automotive •
Electronics • Consumer goods

Product Description

PX118 is a polyurethane resin for vacuum casting that replicates standard ABS properties, making it ideal for functional prototypes and short-run production before committing to injection molding. It combines high rigidity with a clean, thermoplastic appearance and sharp detail reproduction, allowing engineers to test part performance under real conditions while assessing assembly, fit, and ergonomics. PX118 is well-suited for producing snap-fit housings, automotive interior components, functional brackets, and electronic device enclosures where dimensional stability and surface quality are important for design validation and user testing.

Properties

Tensile strength	50 MPa
Elongation at break	8%
Flexural strength	75 MPa
Flexural modulus	1,800 MPa
Charpy impact strength	60 kJ/m ²
Glass transition temperature	85°C
Density	1.15 g/cm ³
Hardness	78D

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.

