

Formlabs Grey Pro

Key Features

Smooth surface • Impact resistance • Resistance to deformation • Print resolution: 100 and 50 microns

Applications

Prototyping • End-use parts • Engineering • Consumer goods

Product Description

Grey Pro resin offers high precision, moderate elongation, and resistance to deformation, making it versatile for various engineering applications. With increased elongation and improved toughness compared to other standard resins, it withstands high stress and maintains shape over time. Ideal for allowing hot air, gas, and fluid flow through parts, it absorbs shock and impact energy without breaking. It is capable of creating looks-like prototypes with smooth surfaces and fine detail.

Properties*

Tensile modulus	2,600 MPa
Tensile strength	61 MPa
Elongation at break	13%
Flexural stress at 5% strain	86 MPa
Flexural modulus	2,200 MPa
Notched IZOD	18.7 J/m
Heat deflection temperature (0.45 MPa)	77.5°C
Heat deflection temperature (1.80 MPa)	62.4°C
Coefficient of thermal expansion (-30 to 30° C)	78.5 um/m/C

*Post-cured state

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.

