



Formlabs ESD

Key Features

Electrostatic dissipativity (ESD) • Impact resistance • Smooth surface

Applications

Prototyping • End-use parts • Jigs and fixtures • Tooling • Aerospace • Automotive • Electronics

Product Description

This ESD Resin offers a rugged ESD-safe solution for electronics manufacturing workflows. By 3D printing custom tools, jigs, and fixtures, it reduces risk and increases yield while protecting critical components from static discharge. This cost-effective material produces static-dissipative parts designed for durability on the factory floor, serving various applications including anti-static prototypes and housings for sensitive electronics.

Properties*

Tensile modulus	1,937 MPa
Tensile strength	44.2 MPa
Elongation at break	12%
Flexural strength	61 MPa
Flexural modulus	1,841 MPa
Coefficient of thermal expansion	68.7 μ in/in/ $^{\circ}$ F
Heat deflection temperature (0.45 MPa)	62.2 $^{\circ}$ C
Heat deflection temperature (1.80 MPa)	54.2 $^{\circ}$ C
Density	1.116 g/cm ³
Hardness	90D

*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.

