PROTOLABS
Manufacturing. Accelerated.

Stereolithography

Formlabs Flame Retardant

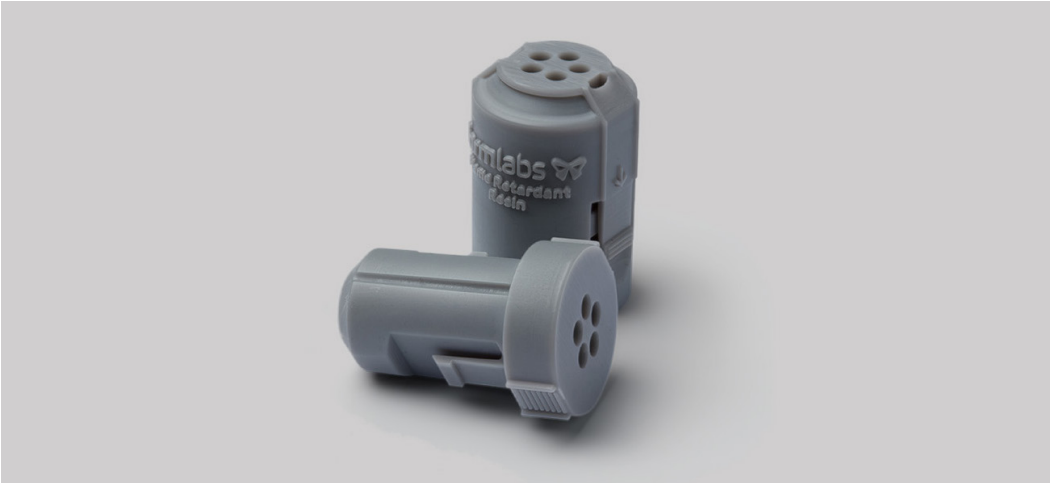
For UL 94 V-0 Certified Parts With Excellent Part Quality and Heat Resistance

Key Attributes

Easily and quickly create stiff, creep-resistant, and functional plastic parts that perform well long-term in indoor and industrial environments. FR Resin is self-extinguishing and halogen-free with favorable flame, smoke, and toxicity (FST) ratings.

Properties

Property	Value (Metric)	Value (Imperial)
Maximum Part Size	145 × 145 × 175mm	5.7 × 5.7 × 6.8in.
Minimum Feature Size	0.2mm	0.008in.
Tensile Strength	38 MPa	5590 psi
Tensile Modulus	2.9 GPa	430 ksi
Heat Deflection (1.8 MPa)	71 °C	160 °F
Heat Deflection (0.45 MPa)	94 °C	201 °F
Elongation at Break	9.4%	9.4%



All of the figures contained within this data sheet are approximate values and are dependent on a number of factors, including but not limited to manufacturer formulations, and machine/process parameters. The information provided is therefore not binding and not deemed to be certified.

© 2026 Proto Labs, Inc.