



HERO mSLA 3D Printing Resin

High Detail, Shock, and Impact resistant resin for models and functional printing.
HERO Resin offers excellent weather-ability for both interior and exterior printed parts.

Technical Data:

Shore D Hardness	71
UV Absorption	395,405nm
Uncured Density	1.11 (g/ml)
Viscosity (25°C)	1,078 mPa*s
Elastic modulus	144,200 (psi)
Tensile Strength	3,747 (psi)
Elongation	17%
*Tested according to ASTM D638 specifications and bones, 50 mm/min, Type IV	
Elastic modulus	108,275 (psi)
Tensile Strength	2,993 (psi)
Elongation	22%
*Tested according to ASTM D638 specifications and bones, 5 mm/min, Type IV	
Shelf Life minimum 1 year unopened	

HERO Solvent Compatibility

Percent weight gain over 24 hours for printed and post-cured 1x1x1 cm cube immersed in respective solvent:

Material	24 hr weight gain (%)
Acetone	Disolved - 43.1
Isopropyl Alcohol	1.62
Bleach (5% NaOCl)	.8
Butyl Acetate	5.6
Hydrolic Oil	0
Hyrdogen Peroxide (3%)	1.62
Mineral Oil, light	0
Mineral Oil, Heavy	0
Salt Water (3.5%)	0
Sodium Hydroxide (.025%)	0
Water	0
Xylene	3.22%

3D Resin Solutions is a manufacturer of custom resin for specific applications.
Contact us for information on development work, custom colors, bulk ordering, or specific applications.

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