



### 3DRS Standard mSLA 3D Printing Resin

Multi-Purpose 3D Printing Resin for everyday users. Plug and Play functionality. Solvent Resistant. 3DRS Standard is a rigid, hard resin that remains non-brittle. Excellent Green Flexability to prevent post-processing damage.

#### Technical Data:

<b>Shore D Hardness</b>	<b>85</b>
<b>UV Absorption</b>	<b>405nm</b>
<b>Volume Shrink%</b>	<b>5.6</b>
<b>Uncured Density</b>	<b>1.11 (g/ml)</b>
<b>Elastic modulus</b>	<b>349,000 (psi)</b>
<b>Tensile Strength</b>	<b>7,120 (psi)</b>
<b>Elongation</b>	<b>3.7%</b>
*Tested according to ASTM D638 specifications and bones, 50 mm/min, Type IV	
<b>Elastic modulus</b>	<b>277,250 (psi)</b>
<b>Tensile Strength</b>	<b>5,245 (psi)</b>
<b>Elongation</b>	<b>5.45%</b>
*Tested according to ASTM D638 specifications and bones, 5 mm/min, Type IV	
<b>Shelf Life minimum 1 year unopened</b>	

#### 3DRS Standard Solvent Compatibility

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

<b>Material</b>	<b>24 hr weight gain (%)</b>
<b>Acetone</b>	4.06
<b>Isopropyl Alcohol</b>	0
<b>Bleach (5% NaOCl)</b>	1.62
<b>Butyl Acetate</b>	.8
<b>Hydrolic Oil</b>	0
<b>Hyrdogen Peroxide (3%)</b>	0
<b>Mineral Oil, light</b>	0
<b>Mineral Oil, Heavy</b>	0
<b>Salt Water (3.5%)</b>	.81
<b>Sodium Hydroxide (.025%)</b>	0
<b>Water</b>	.81
<b>Xylene</b>	.79%

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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