

Formlabs Resin Solvent Compatibility



Cured resin is more resistant to some solvents than others. The chart below shows the weight gain of a 1x1x1cm cube after being submerged in the solvent for 24 hours.

Whilst we still recommend using IPA for washing prints, please bear in mind that resin is not resistant to IPA and so care should be taken not to exceed the advised timing in the washing process.

Solvent	Weight Gain (%) by Material Type after 24 Hour Exposure to Solvent				
	Clear Resin	High Temp Resin	Tough Resin	Durable Resin	Flexible Resin
Acetic Acid, 5%	< 1.0	< 1.0	2.8	1.3	1.3
Acetone	sample cracked	< 1.0	sample cracked	sample cracked	33
Bleach (~5%, NaOCl)	< 1.0	< 1.0	1.7	< 1.0	1.1
Butyl Acetate	< 1.0	< 1.0	1.6	7.9	16
Diesel	< 1.0	< 1.0	< 1.0	< 1.0	not tested
Diethyl glycol monomethyl ether	1.7	< 1.0	6.6	7.8	30
Hydrogen peroxide (3%)	< 1.0	< 1.0	2.1	1.0	1.3
Hydraulic Oil	< 1.0	< 1.0	< 1.0	< 1.0	not tested
Isopropyl Alcohol	< 1.0	< 1.0	2.1	5.1	9.8
Isooctane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Mineral oil, light	< 1.0	< 1.0	< 1.0	< 1.0	not tested
Mineral oil, heavy	< 1.0	< 1.0	< 1.0	< 1.0	not tested
Salt water (3.5% NaCl)	< 1.0	< 1.0	1.5	< 1.0	< 1.0
Skydrol 5	1.0	not tested	1.2	1.3	not tested
Sodium hydroxide (0.025%, pH≈10)	< 1.0	< 1.0	1.5	< 1.0	1.0
Strong acid (HCl conc)	distorted	not tested	distorted	distorted	not tested
Water	< 1.0	not tested	1.6	< 1.0	not tested
Xylene	< 1.0	not tested	< 1.0	6.5	29