

TECHNICAL GUIDE

Chemical Resistance Testing Data - PETG

Reagent	% change		Appearance After Exposure
	Weight	Thickness	
Mineral Oil	<1	<1	Very slight yellowing
Motor Oil	<1	<1	No change
Nitric Acid, conc.	--	--	Completely deteriorated after 1 wk.
Nitric Acid, 10%	<1	<1	Slight yellowing
Nitric Acid 40%	1	<1	Very slight yellowing
Oleic Acid 83%	<1	<1	Very slight yellowing
Olive Oil	<1	<1	Discolored
Penetrating Oil, Liquid Wrench #1	10	11	Turned black
Phenol, 5%	13	14	White, swollen
Silicone Spray Lubricant	67	34	Slight yellowing
Soap Solution 1%	<1	<1	Slight yellowing
Sodium Carbonate 2%	<1	<1	Slight yellowing
Sodium Carbonate 20%	<1	<1	Slight yellowing
Sodium Chloride 10%	<1	<1	Slight yellowing
Sodium Hydroxide 1%	<1	<1	Slight yellowing
Sodium Hydroxide 10%	8	6	Slight yellowing
Sodium Hypochlorite 3.5%	<1	<1	Slight yellowing
Sulphuric Acid. Conc.	--	--	Completely deteriorated after 1 wk.
Sulphuric Acid 3%	<1	<1	Slight yellowing
Sulphuric Acid 30%	<1	<1	Slight yellowing
Tapping Oil	<1	1	No change
Toluene	26	31	Turned white, softened
Transformer Oil	<1	<1	Very slight yellowing
Transmission Fluid, Auto	<1	<1	No change

Note- The data provided pertains to the base raw material only as used in the manufacture of Berman Resin PETG. These suggestions and data are based on information we believe to be reliable. The data is offered in good faith, but without guarantee, as conditions and method of use are beyond our control. We recommend prospective users determine the suitability of Berman Resin PETG. and suggestions before adopting on a commercial scale. In no case is Joel Berman Glass Studios liable for direct, consequential, economic, or other damages. Joel Berman Glass studios disclaims all other warranties, expressed or implied, including the warranty of merchantability and fitness for a particular purpose. Joel Berman Glass Studios does not recommend using it's products to support human loads.