

Wall Protection ›

Chemical Resistance

Reagent	% Change		Appearance after exposure
	Weight	Thickness	
Acetic acid (5%)	<1	<1	Very slight yellowing
Acetic Acid conc.	19	18	Discolored, swelling
Acetone	16	23	Discolored (brown), swollen, rubber-like
Ammonium Hydroxide conc.	229	220	Turned white, outside crumbling off
Ammonium Hydroxide, 10%	4	4	Discolored (pink), surface has blisters
Antifreeze, Automotive Ethylene Glycol Type	<1	<1	No change
Benzene	34	43	Discolored, rubber-like
Brake Fluid, DOT3	2	2	No change
Brake Fluid	6	6	Turned yellow, surface attacked, flaking off
Carbon Tetrachloride	27	18	Discolored, swollen
Chromic Acid, 40%	<1	<1	Slightly discolored
Citric Acid, 10%	<1	<1	Slight yellowing
Cottonseed Oil	<1	<1	Very slight yellowing
Deionized Water	<1	<1	Slight yellowing
Detergent, Alconox	<1	<1	Slight yellowing
Di (2Ethylhexyl) Phthalate	<1	<1	Very slight yellowing
Dibutyl Sebacate	<1	1	Slight yellowing
Diesel Fuel	<1	2	Discolored
Dimethyl Formamide	22	39	Badly discolored and distorted
Ethanol 50%	<1	<1	Slight yellowing
Ethanol 100%	<1	<1	Very slight yellowing
Ethyl Acetate	20	24	Badly discolored and swollen, softened
Ethylene Dichloride	-	-	Completely deteriorated after 1 week
Gasohol, 10% Ethanol	9	8	Cloudy, slight yellowing
Gasohol, 10% Methanol	11	10	Cloudy, yellowed
Gasoline, Base for Gasohol	6	6	Slight yellowing
Gasoline, Premium Unleaded	2	3	Discolored
Gasoline, Regular	<1	<1	Slight yellowing
Gasoline, Regular Unleaded	2	2	Discolored
Grease, Automotive	<1	<1	No change
Hand Cleaner, Waterless Jergens SBS30	<1	2	No change

Reagent	% Change		Appearance after exposure
	Weight	Thickness	
Hexane	<1	<1	Slight yellowing
Hydrochloric Acid, conc.	1	<1	Badly discolored, blisters under surface
Hydrochloric Acid, 10%	<1	<1	Slight yellowing
Hydrogen Peroxide, 3%	<1	<1	Slight yellowing
Hydrogen Peroxide, 28%	<1	<1	Slight yellowing
Isooctane	<1	<1	Very Slight Yellowing
Kerosene	<1	<1	Very Slight Yellowing
Lacquer Thinner	7	6	Cloudy, white
Methyl Alcohol	<1	<1	Very slight yellowing, crazing
Mineral Oil	<1	<1	Very slight yellowing
Motor Oil	<1	<1	No change
Nitric Acid, conc.	-	-	Completely deteriorated after 1 week
Nitric Acid, 10%	<1	<1	Slight yellowing
Nitric Acid, 40%	1	<1	Turned white
Oleic Acid, 83%	<1	<1	Very slight yellowing
Olive Oil	<1	<1	Very slight yellowing
Penetrating Oil, Liquid Wrench #1	10	11	Discolored
Phenol, 5%	13	14	Turned black
Silicone Spray Lubricant	67	34	White, swollen
Soap Solution, 1%	<1	<1	Slight yellowing
Sodium Carbonate, 2%	<1	<1	Slight yellowing
Sodium Carbonate, 20%	<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
Sulfuric Acid, conc.	-	-	Completely deteriorated after 1 week
Sulfuric Acid, 3%	<1	<1	Slight yellowing
Sulfuric 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

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