

Chemical Resistance Table

Solvent	Weight Gain (+) Loss (-) after 24 hours at 25°C (%)	Weight Gain (+) Loss (-) after 48 hours at 50°C (%)
Water/antifreeze, 50/50	0.8	1.5
Transmission Fluid	0.6	6.6
Antifreeze	1.9	1.8
Salt Water 1.4M	0.5	0.9
Tap Water	0.8	1.3
Deionized Water	1.2	1.1
Ferric Nitrate/Water , pH2	0.9	1.2
Sodium Hydroxide/Water, pH12	0.9	1.1
Solution of 1 M Methanol, 1M sulfuric Acid, in water	0.9	1.7
N-Methyl-2-pyrrolidone	Not Recommended	Not Recommended
Acetone	7.9	9.1
Isopropyl Alcohol	0.9	4.2
Alconox® Water, Saturated solution	0.9	1.3
10 to 15 psi Steam, 24 hours, at temperature (>100°C)	2.0	-----

All samples were 0.005 to 0.007 inches thick, 1 inch wide and 3 inches long. A modified ASTM D570 testing procedure was used. Due to the thin samples used adsorption numbers may be artificially inflated when compared to industrial standards for measuring chemical resistance.

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