

Chemical Resistance Chart

Solvent	Weight Gain (+) Loss (-) after 24 hours at 25°C (%)	Weight Gain (+) Loss (-) after 48 hours at 50°C (%)
Water/antifreeze, 50/50	1.5	1.0
Transmission Fluid	1.1	0.9
Antifreeze	0.7	0.7
Salt Water 1.4M	1.8	1.0
Tap Water	2.3	1.6
Deionized Water	1.9	1.5
Ferric Nitrate/Water , pH2	2.1	2.9
Sodium Hydroxide/Water, pH12	2.2	2.8
Solution of 1 M Methanol, 1M sulfuric Acid, in water	7.4	3.1
N-Methyl-2-pyrrolidone	Not Recommended	Not Recommended
Acetone	25.0	Not Recommended
Isopropyl Alcohol	0.1	14.9
Alconox® Water, Saturated solution	2.1	2.6
10 to 15 psi Steam, 24 hours, at temperature (>100°C)	2.5	-----

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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