

Solvent Study		Prism CM200		Baydur 726 IBS		Baydur GS 772		Bayflex XGT 80		Bayflex XGT 80 w/15% Glass		Bayflex 110-50		Bayflex 110-50 w/15% Glass		Bayflex 180 w/20% Rimglos1	
1998		Dimensional Stability	Flexural Modulus	Dimensional Stability	Flexural Modulus	Dimensional Stability	Flexural Modulus	Dimensional Stability	Tensile Strength	Dimensional Stability	Tensile Strength	Dimensional Stability	Tensile Strength	Dimensional Stability	Tensile Strength	Dimensional Stability	Tensile Strength
Water	Water at 25°C	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	Water at 38°C	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	20% aqueous CaCl	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	>1500 hrs -30%	OK	OK	OK	OK
Acids	10% aqueous HCl	OK	OK	OK	>500 hrs +7%	OK	OK	OK	OK	OK	OK	OK	OK	Absorbs solvent (>100 hrs +10%, Mass + 10%)	OK	OK	OK
	2% aqueous Sulfuric Acid	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	10% aqueous Acetic Acid	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	Absorbs solvent (>100 hrs Mass + 10%)	OK	Absorbs solvent (>500 hrs +10%, Mass + 20%)	OK
Bases	10% aqueous KOH	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	Ammonia (household)	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
Alcohols	Ethanol (Ethyl alcohol)	Absorbs solvent (>1000 hr +5%, Mass +17%)	>1000 hrs -50%	Absorbs solvent (>1000 hr Mass + 20%)	>100 hrs -50%	Absorbs solvent (>1000 hr Mass + 20%)	>1000 hrs -40%	Absorbs solvent (>24 hr Mass + 20%)	>24 hrs -40%	Absorbs solvent (>24 hr Mass + 20%)	>24 hrs -30%	Absorbs solvent (>24 hr Mass + 20%)	>24 hrs -20%	Absorbs solvent (>100 hr Mass + 20%)	OK	Absorbs solvent (>100 hr Mass + 20%)	OK
	Ethylene Glycol (Anti-freeze)	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
Cleaners	Clorox Bleach (neat)	OK	OK	OK	OK	OK	OK	OK	>500 hrs -20%	OK	>100 hrs -30%	OK	OK	OK	OK	>500 hrs -20%	
	Clorox Bleach (10%)	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	Dish Washer Detergent	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	Formula 409	OK	OK	OK	OK	OK	OK	Absorbs solvent (>100 hr Mass + 10%)	OK	Absorbs solvent (>24 hr Mass + 20%)	>24 hrs -30%	Absorbs solvent (>1000 hr Mass + 10%)	>1000 hrs 20%	OK	>50 hrs -40%	OK	OK
Hydrocarbons	Kerosene	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	Absorbs solvent (>100 hr Mass + 10%)	OK	OK	OK
	Motor Oil	OK	OK	>1000 hrs +10%	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	Paint Thinner	OK	OK	>1000 hrs -10%	OK	OK	OK	OK	OK	OK	OK	OK	OK	Absorbs solvent (>100 hr Mass + 10%)	OK	OK	OK
	Mineral Oil	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	Gasoline	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	Absorbs solvent (>100 hr Mass + 10%)	OK	OK	OK
Misc.	Kodak Developing Solution	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	>1000 hrs 5v0%	OK	>500 hrs +80%	OK	OK
	Acetone	Acetone destroys after 1 day	Acetone destroys after 1 day	Acetone destroys after 1 day	Acetone destroys after 1 day	Absorbs solvent (>100 hr + 20%)	>100 hr -40%	Absorbs solvent (>100 hr + 20%)	OK	Absorbs solvent (>24 hr Mass + 10%)	OK	OK	OK	Absorbs solvent (>100 hr Mass + 10%)	OK	OK	OK