



# Washdown Material Compatibility Chart

Washdown Material Compatibility Chart			
(A) = EXCELLENT - No Effect, recommended			
(B) = GOOD - Minor Effect, slight corrosion or discoloration			
(C) = FAIR – Moderate Effect, not recommended for continuous use, softening and loss of strength			
Type	Result	Examples	Recommended Material
Strong Alkali >50%	Corrosive	Sodium Hydroxide (80%)	(A) ABS Plastic, Ceramic A1203, Delrin®, PEEK, Teflon®, PTFE, Kalrez (B) 316 Stainless Steel, EPDM, Neoprene, Polyurethane (C) 303 or 304 Stainless Steel, Bronze, Nylon, Hard Coat Aluminum
Medium Alkali <50%	Slightly Corrosive	Sodium Carbonate	(A) 303, 304, or 316 Stainless Steel, Ceramic A1203, Delrin®, Teflon®, Neoprene, Viton, EPDM (B) Brass, Carbon Steel, Polyurethane
Mild Alkali <25%	Slightly Corrosive	Sodium Bicarbonate, Sodium Hydroxide (20%)	(A) 303 or 304 Stainless Steel, Delrin®, Ceramic A1203, PEEK, Viton (B) Carbon Steel, EPDM, Neoprene, Polyurethane
Strong Acid >50%	Corrosive	Phosphoric and Hydroxyacetic Acids	(A) Delrin®, Kalrez, Buna N, Viton, (B) EPDM (C) Aluminum
Medium Acid <50%	Slightly Corrosive	Chromic Acid (30%)	(A) Ceramic A1203, PEEK, PTFE, Viton (B) ABS Plastic, 303 or 304 Stainless Steel (up to 120°F), EPDM (C) Polycarbonate, Silicone
Mild Acid <25%	Slightly Corrosive	Hydrochloric Acid (20%)	(A) ABS Plastic, PEEK, Viton, PTFE, EPDM, Kalrez (B) Polyurethane (C) Delrin®, Neoprene
Solvents	Slightly Corrosive	Mineral spirits, MEK, Acetone	(A) Delrin®, 303, 304 or 316 Stainless Steel, PTFE, Buna N, Viton (B) Aluminum, Polyurethane (C) Neoprene
Soaps and Detergents	Slightly Corrosive	Borax	(A) 303 or 304 Stainless steel, Hard Coat Aluminum, ABS Plastic, Ceramic A1203, Delrin®, Kalrez, PTFE, Buna N, Viton, EPDM (B) Brass, Anodized Aluminum, Neoprene (C) Aluminum

\*The information in this chart is based upon review of technical data concerning the corrosive effects alkali, acid, solvents, soaps and detergents can have on the material shown. It should only be used as a guide in selecting application material compatibility.

The information presented is in Bimba's best engineering opinion and should be used for reference only. Recommendations derived should be verified under actual operating conditions. Bimba reserves the right to change specifications without prior notice.

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