

CHEMICAL RESISTANCE OF STAINLESS STEELS AND ELASTOMERS

Fluids	304 & 304L Stainless Steel	316 & 316L Stainless Steel	Food Quantity Neoprene	EPDM	VITON	Food Quality Silicone
Acids below to concentration of 5% nmax						
Acetic Acid	2	2	2	2	-	1
Hydrofluoric Acid (Muriatic)	1	2	2	2	2	2
Citric Acid	2	2	2	2	2	2
Hydrofluoric Acid	1	1	1	0	2	1
Lactic Acid	2	2	2	2	2	2
Nitric Acid	2	2	1	2	2	1
Phosphoric Acid	1	1	2	2	2	2
Sulfurous Acid	2	2	1	1	2	2
Sulfuric Acid	1	1	2	2	2	1
Tanic Acid	2	2	2	2	2	2
Acetone	2	2	1	2	0	1
Salt Air	2	2	2	2	2	2
Alcohols	2	2	2	2	2	1
Ammonia	2	2	2	2	2	2
Sulfur Dioxide	2	2	2	1	2	2
Butter	2	2	1	2	2	2
Beer	2	2	2	2	2	2
Carbon (monoxide)	2	2	2	1	2	2
Chlorine + Water	1	1	1	1	1	1
Chloroform	2	2	0	0	2	0
Sodium Chloride	2	2	2	2	2	2
Cider	2	2	2	2	2	2
Lemon (see Citric Acid)	2	2	2	2	2	2
Bone Fish Glues	2	2	2	1	2	2
Ammonia Solution	2	2	2	2	2	2
Demineralized Water	2	2	-	-	-	-
Distilled Water	2	2	2	2	2	2
Bleach	1	1	2	-	1	1
Sea Water	1	1	1	2	2	2
Hydrogen Peroxide	2	2	2	2	2	2
Glucose	2	2	2	2	2	2
Glycerine	2	2	2	2	2	2
Animal and Vegetable Fats	2	2	1	1	2	2
Food Oils	2	2	1	1	2	1
Iodine	1	1	-	-	2	1
Fruit Juice	2	2	2	2	2	2
Milk	2	2	2	2	2	2
Maltose	2	2	2	2	2	2
Mercury	2	2	2	2	2	2
Mustard	2	2	2	2	2	2
Onion	2	2	2	2	2	2
Oxygen	2	2	2	2	2	2

Fluids	304 & 304L Stainless Steel	316 & 316L Stainless Steel	Food Quality Neoprene	EPDM	VITON	Food Quality Silicone
Paraffin	2	2	1	1	2	2
Paper Paste	1	1	1	-	-	-
Liquid Soaps	2	2	2	2	2	2
Soda (Solutions)	2	2	1	2	1	1
Caustic Soda	2	2	1	2	1	1
Sugar	-	-	-	-	-	-
Organic Dyes	2	2	2	-	2	2
Turpentine (Petrol)	2	2	0	0	2	0
Tomato (Juice)	2	2	2	-	-	1
Vinegar	2	2	2	2	1	2
Wines	1	2	2	2	2	2

The above information is to be used as a guideline only. For further information we advise users to consult a Chemical Specialist.

CODE	0	Unsuitable
	1	Resistance according to temperature, concentration or type.
	2	Good resistance
	-	No Data