

Kaltraz™ Resistance to Acid/Alkali Solutions

CHEMICALS	Immersion Conditions		Kaltraz™	Silicon Rubber	EP Rubber
	Temperature [C]	[Days]			
Fuming Sulfuric Acid	25°	7	A	X	X
96% Sulfuric Acid	100°	3	A	X	X
	70°	3	A	X	X
	40°	3	A	X	D
	25°	7	A	X	C
	25°	7	A	A	A
60% Sulfuric Acid	100°	3	A	A	A
	25°	7	A	A	A
20% Sulfuric Acid	100°	3	A	A	A
Fuming Nitric Acid	25°	7	C	X	X
98% Nitric Acid	25°	7	C	D	X
60% Nitric Acid	100°	3	C	X	X
	70°	3	B	X	X
	40°	3	A	B	X
	25°	7	A	B	D
20% Nitric Acid	100°	3	C	X	X
	70°	3	C	X	X
	25°	7	A	C	B
50% Hydrofluoric Acid	25°	7	A	X	B
37% Hydrofluoric Acid	70°	3	B	X	C
	40°	3	A	C	B
	25°	7	A	C	A
20% Hydrofluoric Acid	70°	3	B	X	C
	40°	3	B	X	D
	25°	7	A	B	A
50% Sodium Hydroxide	100°	3	A	B	A
	70°	3	A	A	A
	25°	7	A	B	A
20% Sodium Hydroxide	100°	3	A	A	A
	70°	3	A	A	A
28% Ammonia Solution	70°	3	A	A	A
	25°	7	A	A	A

A – Volume Change ≤ 5%
 B – Volume Change < 15%
 C – Volume Change < 40%

D – Volume Change > 40%
 X – Disintegration or Dissolution