

Effects of Chemical Exposure to Plastics and Elastomers

The following chart is general please review the applicability for the specific chemicals in your application.

		Plastics						Elastomers					
		PVDF	Nylon	Teflon	PVC	Polypropylene (PP)	Polyethylene (HD)	Polyethylene (LD)	Neoprene	Viton	EPDM	Buna N/Nitrile	316 SS
Acids		E	FN	E	E	E	E	E	FG	E	G	G	
Bases		E	F	FE	E	E	E	E	GE	FG	E	G	
Alcohols		E	N	E	E	E	E	E	GE	FG	E	GE	
Aldehydes		E	FN	E	N	G	G	G					
Hydro-Carbons	Aliphatic	E	E	E	E	G	G	F	F	E	P	GE	
	Aromatic	E	E	E	N	F	G	F	P	E	P	P	
	Halogenated	N	G	GE	N	F	F	N	P	E	P	FP	
Esters		G	E	E	N	G	G	G	P	P	E	P	
Ketones		N	E	E	N	G	G	G	P	P	E	P	
Oxidizing agents		G	N	E	G	F	F	F					

Legend

E	No damage after 30 days of constant exposure
G	Little damage after 30 days of constant exposure
F	Some effect after 7 days
N	Not recommended

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