

CHEMICAL COMPATIBILITY CHART



When the liquid/chemical is aggressive for filter media then this chart will help support the selection by showing the media's compatibility level with the specific chemical to be processed. Should more information or clarification be

required for your application then we're here to help support and can even supply samples for you to run small-scale trials, as required.



Key	
R	Resistant: excellent compatibility, no significant changes in physical properties or dimensions
LR	Limited Resistance: moderate changes to physical properties and/or dimensions. The material may be suitable for short term, non-critical use.
NR	Not Resistant: significant changes to physical properties and/or dimensions, such as softening, loss of strength or swelling. Not recommend for use.
ID	Insufficient Data: small scale trial with intended material recommended.

Chemical	Depth Filtration			Pleated Filtration					O-Ring/ Gasket Material					Housings	Bags			
	PSP	SSP	ESP	PPG	PPP	PPPE	PPN	PPPTFE	Viton	Buna-N	EPDM	Neoprene	Silicone	FEP	316L	P	N	E
Acids																		
Acetic Acid, 30%	R	R	R	NR	R	R	LR	R	NR	NR	LR	NR	LR	R	R	R	LR	NR
Hydrochloric Acid, Conc.	R	R	R	NR	R	R	NR	R	R	LR	LR	NR	NR	R	LR	R	NR	R
Nitric Acid, Conc.	R	R	R	NR	R	R	NR	R	LR	NR	NR	NR	NR	R	R	R	NR	LR
Sulphuric Acid, Conc.	R	R	R	NR	R	R	NR	R	R	NR	LR	NR	NR	R	NR	R	NR	LR
Alcohols																		
Benzyl Alcohol, 100%	R	R	R	R	R	NR	R	R	R	NR	R	LR	LR	R	R	R	R	NR
Ethanol	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Isopropanol	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	LR
Methanol	R	R	R	R	R	R	R	R	NR	R	R	R	R	R	R	R	R	R
Bases																		
Ammonium Hydroxide, 3N	R	R	R	NR	R	R	R	R	R	R	R	R	R	R	R	R	R	NR
Potassium Hydroxide	R	R	R	NR	R	R	R	R	R	R	R	LR	LR	R	R	R	R	NR
Sodium Hydroxide, 3N	R	R	R	NR	R	R	R	R	R	R	R	R	R	R	R	R	R	NR
Esters																		
Amyl Acetate	LR	LR	LR	NR	LR	R	LR	R	NR	NR	LR	NR	NR	R	R	LR	LR	LR
Ethyl Acetate	LR	LR	LR	NR	LR	NR	LR	R	NR	NR	LR	NR	NR	R	R	LR	LR	LR
Isopropyl Acetate	R	R	R	NR	R	R	LR	R	NR	NR	R	NR	NR	R	R	R	LR	LR
Dioxane	R	R	R	NR	R	R	R	R	NR	NR	R	NR	NR	R	R	R	R	NR
Glycols																		
Ethylene Glycol	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Propylene Glycol	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Aromatic Hydrocarbons																		
Benzene	NR	NR	NR	NR	NR	LR	LR	R	R	NR	NR	NR	NR	R	R	NR	LR	LR
Toluene	NR	NR	NR	NR	NR	LR	NR	R	R	NR	NR	NR	NR	R	R	NR	NR	NR
Xylene	NR	NR	NR	NR	NR	LR	LR	R	R	NR	NR	NR	NR	R	R	NR	LR	NR
Halogenated Hydrocarbons																		
Carbon Tetrachloride	LR	LR	LR	NR	LR	LR	LR	R	R	R	NR	NR	NR	LR	LR	LR	LR	LR
Trichloroethylene	LR	LR	LR	NR	LR	LR	LR	R	R	LR	NR	NR	NR	ID	R	LR	LR	LR
Ketones																		
Acetone	R	R	R	NR	R	NR	R	R	NR	R	R	NR	NR	R	R	R	R	R
Cyclohexanone	R	R	R	NR	R	NR	ID	R	NR	R	R	NR	NR	R	R	R	ID	R