

Material Permeation Guide

Chemical	CAS Number	LP435FR
acetic acid, 10%	64-19-7	●
acetic acid, glacial	64-19-7	●
acetic anhydride	108-24-7	●
acetone	67-64-1	
acetonitrile	75-05-8	●
acetophenone	98-86-2	●
acrylic acid	79-10-7	●
acrylonitrile	107-13-1	
allyl chloride	107-05-01	●
ammonia gas	7664-41-7	●
ammonia solution, 35%	1336-21-6	●
aniline	62-53-3	●
aviation fuel	n/a	
benzene	71-43-2	●
benzyl alcohol	100-51-6	●
brake fluid Mobil DTE 25	n/a	
chlorine gas	7782-50-5	●
chlorobenzene	108-90-7	●
chloroform	67-66-3	●
chlorosulphonic acid	7790-94-5	●
cyclohexanone	108-94-1	●
dimethylacetamide, N,N-	127-19-5	●
dimethylformamide	68-12-2	●
dimethyl sulphate	77-78-1	
ethanol	64-17-5	●
ethyl acetate	141-78-6	●
ethyl benzene	100-41-4	●
formaldehyde, 37% sol	50-00-0	●
formic acid, 30% - 90%	64-18-6	●
furfural	98-01-1	●
hexamethylene diisocyan	822-06-0	●
hydrochloric acid, 36%	7647-01-0	●

Key

- **Recommended**
Breakthrough times over 480 minutes
- **Use only with caution**
Breakthrough times between 61 and 240 minutes
- **Not recommended**
Breakthrough times less than 30 minutes
- **Recommended**
Breakthrough times between 241 and 480 minutes
- **Very light splash protection only**
Breakthrough times between 31 and 60 minutes

hydrofluoric acid 48%	7664-39-3	●
hydrofluoric acid 73%	7664-39-3	●
hydrogen fluoride gas	7664-39-3	
lactic acid, 40%	50-21-5	●
methacrylic acid	79-41-4	●
methanol	67-56-1	●
methyl acrylate	96-33-3	●
methyl vinyl ketone	78-94-4	●
nitric acid, 10%	7697-37-2	●
nitric acid, 60-70%	7697-37-2	●
nitric acid, fuming	7697-37-2	●
nitrobenzene	98-95-3	●
oleum, 30%	8014-95-7	●
oxalic acid, saturated	144-62-7	●
phenol, solid	108-95-2	●
phenol, 85%	108-95-2	●
phenol, liquid-41 degC	108-95-2	●
phosphoric acid, 20%	7664-38-2	●
phosphoric acid, 85%	7664-38-2	●
potassium hydroxide, 40%	1310-58-3	●
propan-2-ol	67-63-0	●
pyridine	110-86-1	●
sodium hydroxide, 40%	1310-73-2	●
sodium hypochlorite, 13%	7681-52-9	●
styrene	100-42-5	
sulphuric acid 10% - 50%	7664-93-9	●
sulphuric acid 99%	7664-93-9	●
tetrahydrofuran	109-99-9	●
thionyl chloride	97/19	
toluene	108-88-3	●
toluene-2,4-diisocyanate	584-84-9	●
Toluidine, o-	95-53-4	●
trichloroethylene	79-01-6	●
triethylamine	121-44-8	●
trifluoroacetic acid	76-05-1	●
vinyl acetate	108-05-4	●

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● Breakthrough times between 31 and 60 minutes