sere transilvania

DELAFLEX®- CHEMICAL RESISTANCE / FOOD GRADE

The Performance of DELAFLEX Versus Common Chemicals

Per ISO 175 Test Protocol

1) Hazardous wastes with high concentration of petroleum products
2) Aromatic hydrocarbons
3) Chlorinated organic hydrocarbons

CHEMICAL	CONCENTRATION Weight %	TEMPERATURE °C	RESIDUAL WEIGHT %	RESIDUAL STRESS AT BREAK %	RESIDUAL ELONGATION AT BREAK %	RESISTANT	NOT RESISTANT
A							
Acetic acid	pure	50				x	
Acatic anhydride	pure	50				x	
Acetone	pure	50	99,4	111	94	x	
Aluminium hydroxide		23				x	
Aluminium sulfate	38	23				x	
Ammonium chloride	30	50	99,5	103	91	x	
B							
Benzene		23					x
C							
Calcium carbonate	saturated	50				x	
Calcium hydroxide	concentrated	23				x	
Cupric sulfate	saturated	50				x	
Cyclohexane	pure						swells
D							
Dimethylamine		40	23			x	
E							
Ethanol	pure	23				x	
Ethanediol	40	23				x	
Ethylacetate	50	23				x	
Ethylene glycol	concentrated	23	97	88	100	x	
Ethylene glycol	concentrated	70	110,9	95	100	x	
F							
Formaldehyde	37	23				x	
G							
Gasoline	35	23					swells
Glycerine		30				x	
H							
Hexane	pure	23					swells
I							
Indolene (unleaded gas)	pure	23	193				swells 138%
Isooctane							swells 198%
Isopropanol	30	23	99,8	108	120	x	
K							
Kerosene [1,2]	pure	23	99	71	88		swells
L							
Lactic acid	pure	50	99,8	102	91	x	

CHEMICAL	CONCENTRA-TION Weight %	TEMPERATURE °C	RESIDUAL WEIGHT %	RESIDUAL STRESS AT BREAK %	RESIDUAL ELONGATION AT BREAK %	RESISTANT	NOT RESISTANT
M							
Manure animals	**pure**	**23**	**100%**	**98**	**86**	**x**	
MEK	pure		110				swells
Methanol	50	23				x	
Methylene chloride	concentrated	23					x
Methylisobutylketone	60	23				x	
N-methylmorpholine oxide	60	23		95	91	x	
O							
Oil ASTM 1	pure						
Oil ASTM 2	pure						swells
Oil ASTM 3	pure						swells
Oil OB/22-AT	35						swells
Vegetal Oil	pure	23	132	84	100		swells 32%
Oil of chicken	pure	23	131	92	97		swells 31%
Oil of beef	pure	23	150	86	94		swells 50%
Oil of pork	pure	23	127	85	100		swells 27%
P							
Petrol [1,2]	pure	23	86	100	100		x
Potassium bromide	saturated	23				x	
N-Propanol	pure	23	101			x	
Propionic acid	pure	23				x	
S							
Sodium chloride	saturated	23				x	
Sodium hydroxide	100	23	99,9			x	
Sodium hydroxide	100	50	99,9			x	
Salted water	saturated	70	99,9	88	100	x	
Solna 100	30	23					swells
Stearic acid	pure	50	99,8	102	90	x	
Sulfuric acid	65	50	99,9	103	91	x	
Sulfuric acid	35	23	99,7	94	100	x	
T							
Tetralin	concentrated	23	91				swells 92%
Toluene	475 ppm	23	102	91	97	x	
Toluene	pure	23	178				swells
Trichloroethylene	475 ppm	23	102	101	97	x	
Trichloroethylene	pure	23	477	116	67		swells 500%
Tetrachloroethylene	pure	23	556				x
Turpentine [1]	pure	23	95	90	100		x
W							
Wine	pure	23				x	
X							
Xylene	150 ppm	23	101,5	97	98	x	
Xylene	pure	23	177				dissolved

1) Test done during 4 weeks
2) Kerosene show an increase in weight of 14 wt %, then a decrease and plateau at 100%
Kerosene and petrol extract some of the low MW components of DelafleX

WHERE CAN YOU FIND US?

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