

Green Team company guarantees DelafleX material on UV resistance and factory-made welds for storage of the following substances:

- water - 15 years warranty
- manure animals - 10 years warranty (for DelafleX - 1 mm thickness)

DELAFLEX® - CHEMICAL RESISTANCE / FOOD GRADE

The Performance of DELAFLEX Versus Common Chemicals

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

Per ISO 175 Test Protocol

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	
Ethandiol	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	CONCENTRATION 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

