

CHEMICAL BLADDER TANK

PRODUCT DATA SHEET

Ethylene/vinyl acetate/ PVC Alloy for improved durability & Chemical Resistance.

End Use: Tanks, Berms, Oil Booms, Inflatable Boats.

Update: January, 2010

PROPERTY	TYPICAL CHARACTERISTICS	
TEST & METHOD	STANDARD	METRIC
Base Fabric	Polyester 1,000 Den 8.1 [Oz/yd ²]	Polyester 1,100 Dtx 275 [gr/m ²]
Total Weight ASTM D 751	29.5 [Oz/yd ²]	1000 [gr/m ²]
Breaking Strength – Strip ASTM D 751 procedure B	440 / 415 [lbs/inch]	400 / 380 [Kg / 5 cm]
Breaking Strength – Grab ASTM D 751 procedure A	600 [lbs]	275 [Kg]
Tear Strength ASTM D 751 procedure B	77 / 55 [lbs]	32 / 25 [Kg]
Coating Adhesion (RF welding) ASTM D 751	22 [lbs/inch]	20 [Kg / 5 cm]
Blocking Resistance ASTM D 751 -70°C (160°F) 6 hrs	#1	
Cold Crack / Bend ASTM D 2136, DIN 53361	-40°F	- 40°C

Comments: Preliminary specification based upon initial production run

We believe this information is the best currently available. This product data sheet is subject to revisions once additional know-how is gained. We make no guarantee of results and assume no obligation liability whatsoever in connection with this information.

RESISTANCE CHART

Good = A

Poor = B

Not Compatible = C

() = estimated value

Liner Type/Composition	ER 1000
WATER/SALT SOLUTIONS	
Water	A
2% Potassium Chloride brine solution	A
10% Potassium Chloride brine solution	A
Seawater	A
10% Sodium Chloride brine solution	A
25% Sodium Chloride brine solution	A
38% Calcium Chloride brine solution	A
ORGANIC ACIDS/ANHYDRIDES	
50% Citric Acid solution	A
10% Acetic Acid solution	(B)
Glacial Acetic Acid	(C)
Acetic Anhydride	(C)
60/40 Acetic Acid/Acetic Anhydride	(C)
Acrylic Acid	(C)
MINERAL ACIDS	
32% Hydrochloric Acid	C
20% Hydrochloric Acid	(C)
15% Hydrochloric Acid	(B)
Hydrochloric Acid/Acetic Acid blends	(C)
ALKALIS	
50% Sodium Hydroxide solution	A
50% Potassium Hydroxide solution	A
50% Ammonium Hydroxide solution	A
50% Potassium Carbonate solution	A
KOH and Pot carb blends	A
OXIDIZERS	
Hydrogen peroxide	A
Sodium hypochlorite	A
Calcium hypochlorite	(A)

Liner Type/Composition	ER 1000
ALCOHOLS/OTHER ORGANICS	
100% Methanol	A
100% Ethanol	A
100% Isopropanol	A
100% Butanol	A
Alcohol blends	A
Ethoxylated C12+ alcohols	(A)
Acetylenic alcohols (i.e., propargyl alcohol)	(A)
100% Triethanolamine	(B)
100% Diethanolamine	(B)
100% Monoethanolamine	(B)
70% Tetramethyl ammonium chloride (quat)	(A)
50% Tetramethyl ammonium chloride (quat)	(A)
100% Glycerin	A
100% Ethylene glycol	A
100% Diethylene glycol	A
100% Ethylene glycol monobutyl ether	(B)
Fuels & Oils	
Gasoline	B
Kerosene	A
Diesel	A
Xylene	(C)
Toluene	C
Heavy Aromatic Naphtha (HAN)	(A)
Mineral oil	A
Motor oil	A
Hydrogenated Mineral oil, Flash > 175F	(A)
Palm oil	(A)
d-Limonene	(A)
OXYGEN SCAVENGERS	
Sodium thiosulfate	(A)