



CLEARPOND™

PROLINER EPDM POND LINER

Chemical Resistance

	E.P.D.M.	BUTYL		E.P.D.M.	BUTYL
Boric acid 10%	A	A	Sodium Permanganate 25%	B	
Hydrochloric acid 10%	A	A	Bicarbonate Sodium 25%	A	A
Hydrochloric acid concentrate	B	A	Acetic Acid 10%	A	A
Nitric acid	A	A	Acetic Acid - glacial	B	A
Nitric acid concentrate	C	C	Citric Acid 10%	A	A
Phosphoric acid	A	A	Lactic Acid 10%	A	A
Sulphuric acid	A	A	Oleic Acid 10%	B	B
Sulphuric acid concentrate	C	C	Phenol 10%	B	B
Ammonia concentrate	A	A	Tartaric Acid 10%	B	B
Calcium Hydroxide 10%	A	A	Alcohols	A	A
Potassium hydroxide 10%	A	A	Benzaldehyde	A	A
Sodium Hydroxide concentrate	A	A	Furfural	A	A
Aluminium chloride 25%	A	A	Anilina	A	A
Ammonia chloride 25%	A	A	Hydrocarbons	C	C
Potassium chloride 25%	A	A	Fats & Oils	B	C
Sodium Chloride 25%	A	A			

KEY: A = Expected satisfactory compliance. B = Needs precaution. C = Probable minimum performance

Proliner:

Proliner began development in Europe in 1950 using the catalyst techniques to polymerise alpha-Olefines discovered by Professor Ziegler following the studies of Dr. Natta; both scientists received the Nobel Prize for Chemistry in 1963.

EPDM rubber membranes are excellent to use as a pond, dam or lake liner for many reasons:

- * The possibility to use large sheets of liner (quick installation).
- * Durability; as EPDM is a completely saturated molecule, this gives it unlimited resistance to the inclemency of the weather and resistance to ozone.
- * Versatility; can be used for all types of ponds; small, ornamental, purifying, agricultural, for artificial snow manufacturing as well as being suitable for the storage of drinking water and of course for use for ponds with fish and plants!
- * Ecological; it is a product which in both its manufacturing and installation process as well as in its disposal process, once its work life is over it does not contaminate as it is free of chlorine and halogen.



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Proliner Series 70 & 100	pan-European Standard	Typical Proliner values
Thickness	± 10% s/. Nominal value	±10 % s/. Nominal value
Width	According to manufacturer	≥ 1.500 mm
Length	According to manufacturer	≥ 20 m
Hardness	50-70 shore A	64-70
Tensile strength	> 9.0 Mpa - > 91.8 Kg/Cm ²	> 9.3-11.8 Mpa - > 95-120 Kg/Cm ²
Maximum elongation	>300%	400-450 %
Module 100%	---	25-38 kg/Cm ²
Module 300%	> 6.2 Mpa - > 63 Kg/Cm ²	> 6.9 Mpa - > 70-90 Kg/Cm ²
Tear strength	>22 KN/m	35-40 KN/m
Water absorption: 168 hours at 70 ⁰ C	<1 % in volume	<1 %
Folding at low temperature {-55 ⁰ C}	No cracking	No cracking
Ageing	Results after ageing at 115 ⁰ C for 168 hours (% change)	
Hardness	±10 %	±10 %
Resistance to maximum traction	<30 %	<10 %
Maximum elongation	<50%	<35 %
Dimensional change	±2 %	±0.5 %