



Product Name: E 1100 F

PVC Coated membrane, Polyester fabric, weathering resistance.

End Use: Fish Ponds Liner and Potable Water Tanks.

Approved for International Specification: NSF/ANSI 61; SI-5452 (potable water), PZH-Polish National Institute of Public Health, EU directive for contact with foodstuff for aqueous, acidic and alcoholic products, **FDA** code of federal regulations Title 21, **SI 5113.(+)**

Properties	Typical Characteristics	
Test & Method	English	Metric
Base Fabric	Polyester 1,000 Den 8 [Oz/yd ²]	Polyester 1,100 Dtx 270 [gr/m ²]
Total Weight ASTM D 751	32.4 [Oz/yd ²]	1100 [gr/m ²]
Thickness	36 [mil]	0.9 [mm]
Breaking Strength - Strip ASTM D 751 method B	450 / 425 [lbs/inch]	4000 / 3800 [N/5 cm]
Breaking Strength - Grab ASTM D 751 method A	700 / 660 [lbs]	3200 / 3000 [N]
Tear Strength - Single Rip ASTM D 751 method B, DIN 53356	155 / 155 [lbs]	700 / 700 [N]
Tear Strength - Double Rip ISO 4674	290 / 200 [lbs]	1300 / 900 [N]
Tear Strength - Trapez DIN 53363	85 / 75 [lbs]	380 / 340 [N]
Adhesion (HF Welding) ASTM D 751	16 / 13 [lbs/inch]	140 / 120 [N/5 cm]
Abrasion Resistance (Taber H-22 Wheel 1 Kg load) ASTM D 3389	>3000 cycles to expose the fabric	
Weathering - 8000 hours, ASTM G 154 UVA 8 hrs. 60°C, 4 hrs. Cond. 50°C	Very slight color change	
Flame Resistance MVSS – 302 (Horizontal Test)	Burn Rate = 47 [mm/min]	
Seam Strength, ASTM D 751 2" overlap seam (1" width seam)	80% of breaking strength	

(+) These approvals are relevant only for blue 6290, light Blue 6008 & Grey 9123

