



POOLSIDE MATERIAL

TECHNICAL DATA SHEET

Thickness	Embossing	Colour
20 and 28 Mil	Smooth	12 Hue Pallet

Main Applications

Geomembrane Waterproofing

Product description

Calendered flexible PVC film

General comments

Other colours, thicknesses, or embosses, can be developed on demand.

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General Properties	Unit	Method	Typical Value
Thickness	%	ASTM D751	Nominal ± 5.0
Width	Inches	Measured on roll	As ordered ± 0.25
Physical Properties	Unit	Method	Typical Value
Tensile Strength at break	PSI	ASTM D882	MD ≥ 2300; TD ≥ 2000
Elongation at Break	%	ASTM D882	MD ≥ 300; TD ≥ 300
100% Modulus	PSI	ASTM D882	MD ≥ 950; TD ≥ 950
Tear Strength	lb/in	ASTM 1004	MD ≥ 220; TD ≥ 220
Hardness	--	ASTM D2240 Shore A	78 ± 6
Water Extraction	%	ASTM D1239 (24 hrs at 40°C)	≤ 0.35
Dimensional Stability	%	ASTM D1204 (15 min at 100°C)	MD ≤ -4.0
Resistance to Impact at Low Temperature	°C (°F)	ASTM D1790	-29 (-20)
Volatility	%	ASTM D1203	≤ 1.0
Specific Gravity	--	ASTM D792	1.23-1.28
Durability	Unit	Method	Typical value
Artificial Weathering	--	ASTM G155 (Xenon Arc)	200 hours for min. colour change. 1500 hrs. for min. polymer degradation. No cracking.
Mildew Resistance	--	ASTM G21	No growth
Pink Stain	--	ASTM E1428	No stain
Abrasion Resistance	--	ASTM D3389	No ink loss
Chlorine Resistance	--	CFFA-202	Minimal colour change & polymer degradation
Processing			
Hot Air Welding	Optimization needed depending on machine		
High Frequency Welding	Optimization needed depending on machine		
Storage & Handling			
Storage Time	We recommend storage time less than eighteen months after production date		
Processing Temperature	We recommend film should be stored at room temperature (max, 23°C, min. 24h) before processing		

The data provided in this document is for general information only and represents typical average values for the product. This cannot be considered a specification and the user is responsible for determining the suitability of the product for their application. The information in this TDS may be revised at any time without notice.