



# 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 six 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.