

CoolPro® RPP45 | 45 mils

TECHNICAL DATA SHEET

COATED FABRIC SPECIFICATIONS*

Total Thickness (nominal)	45 mils
Thickness (minimum avg)	41 mils
Weight (nominal)	0.19/ft ²
Coating Type	TPO

SCRIM REINFORCED POLYPROPYLENE

Meets GRI GM-18 / FGI RPP / NSF/ANSI/CAN 61 and AS/NZS 4020 Specification

Revision Date: 8 May 2025
Expiry Date: 4 Jan 2027

PROPERTY		MINIMUM	TYPICAL	TEST METHOD
Breaking Strength	warp/fill	300 / 250 lbs	350 / 325 lbs	ASTM D751A
Break Elongation	warp/fill	22 / 22%	35 / 35%	ASTM D751A
Tear Strength	warp/fill	100 / 100 lbs	140 / 140 lbs	ASTM D5884
Hydrostatic Resistance		350 psi	450 psi	ASTM D751A
Puncture Resistance (pyramid)		300 lbs	350 lbs	Method 2031
Puncture Resistance (flat tip)		85 lbs	90 lbs	ASTM D4833
Ply Adhesion		40 lbs/2 in	50 lbs/2 in	ASTM D751
Dimensional Stability		1% (max)	0.5% (max)	ASTM D1204
Abrasion Resistance (H18/1 kg)		7,500 cycles	10,000	ASTM D3389
Low Temperature Bend		-40°F (max)		ASTM D2136
UV Resistance – No chalking/cracking		20,000 hrs	40,000 hrs	ASTM D7238
UV Resistance (20K hrs) – Tensile strength and elongation retained		>50%	>92%	ASTM D751
Bonded Seam Strength		200 lbs	260 lbs	ASTM D7749
Seam Peel Adhesion		25 lbs/in	35 lbs/in	ASTM D7747

Comments:

- This product is safe for fish and plants and passes the following USEPA Chronic Toxicity Screening tests: EPA 1000.0, EPA 1002.0, EPA 2000, and EPA 2021.0
- Seam strength complies with the specification GRI GM-19b, Seam Strength and Related Properties of Thermally Bonded Reinforced Polyolefin Geomembranes/Barriers.



The information contained herein or that is supplied by us, or on our behalf, is based upon data obtained through our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data, the results obtained from the use thereof, or that any such use will not infringe upon any patent. This information is furnished upon the condition that the person receiving it shall evaluate its suitability for the specific application.