

COOLGUARD®



Primary/Secondary Containment

Bladder Tanks | Baffles | Liners
Floating Covers | Agriculture

Added Benefits:

Outstanding chemical and fuel resistance with little or no deterioration of physical properties

High abrasion resistance

Superior durability against tears, punctures, and UV exposure

RF, wedge, and hot air weldable

A variety of standard widths and colors are available.



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CoolGuard® geomembranes are engineered for primary and secondary containment of hydrocarbons, liquids (including potable water), aggressive chemicals, and other regulated substances, providing a cost-effective alternative to double-walled tanks, concrete-lined embankments, and similar systems. Formulated with DOW® ELVALOY™ (KEE) and Cooley's proprietary ethylene interpolymer PVC alloy, CoolGuard fabrics deliver broad chemical resistance with minimal loss of physical properties. CoolGuard offers highly diverse membranes for a broad range of containment applications.

CoolGuard® MPK: Economical, lightweight material resistant to petroleum products.

CoolGuard® HRL: Features an exclusive 'rip-stop' design, for exceptional durability and flexibility to contain a variety of fuels.

CoolGuard® SKX: Premium membranes offering robust performance and resistance to an extensive variety of chemicals.

Advanced polymer processing, stabilizers, and manufacturing techniques ensure the CoolGuard family delivers exceptional resistance to punctures, tears, abrasion, UV exposure, hydrocarbons, and chemicals.

**For further information, please contact
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CoolGuard® MPK36 | 36 mils

TECHNICAL DATA

COATED FABRIC SPECIFICATIONS*

Revision Date: 21 July 2020
Expiry Date: 21 July 2025

Total Thickness	36±10% mils
Weight (nominal)	34 oz/yd ²
Coating type	EIA
Sealing properties	Dielectric Thermal

PROPERTY	MINIMUM	TYPICAL	TEST METHOD
Grab Tensile Strength	warp/fill	250 / 200 lbs	295 / 240 lbs
Strip Tensile Strength, 1-inch	warp/fill	130 / 120 lbs	170 / 140 lbs
Tongue Tear Strength	warp/fill	40 / 30 lbs	100 / 80 lbs
Puncture Strength, Flat Tip	95 lbs	135 lbs	ASTM D4833
Puncture Strength, Ball Tip	350 lbs	460 lbs	ASTM D751
Puncture Strength, Pyramid Tip	200 lbs	268 lbs	FTMS M2031
Hydrostatic Resistance	350 psi	438 psi	ASTM D751A
Dimensional Stability (180°F/1hr)	2.5% (max)	1.5%	ASTM D1204
Ply Adhesion Strength	20 lbs/2"	25 lbs/2"	ASTM D751
Thermal Adhesion Strength	15 lbs/in	40 lbs/in	ASTM D751
Low Temperature Bend	-25°F		ASTM D2136
Abrasion Resistance (H18/1kg)	5,000 cycles	7,500 cycles	ASTM D3384

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