Cooley / Engineered Membranes

WHERE SUSTAINABLE CHEMISTRY MAKES THE DIFFERENCE

TECHNICAL SPECIFICATIONS

COOLTHANE®

FUEL CONTAINMENT

CoolThane® L4090NESUE | 41 oz / yd² | 1,390 g / m²

Base Fabric	Standard	Metric
Weight	15.6 oz / yd²	529 g / m²
Fiber / Style	Nylon-Polyester / Style 90	

Coated Fabric	Standard	Metric
Thickness	50 mils	1.27 mm
Total Weight	41 (+/- 1) oz / yd²	1,390 (+/- 34) g/m²
Coating Type	Urethane	
Coating Distribution	50 / 50	
Sealing Properties	Dielectric / Thermal	

Material Properties	ASTM Test Methods	Standard	Metric
Tensile Strength, 1" Strip (Warp / Fill)	D751B	700 / 700 lbs	3,113 / 3,113 N
Tear Strength, Tongue (Warp / Fill)	D751B (mod)	40 / 40 lbs	178 / 178 N
Puncture Resistance, Screwdriver	D751	225 lbs	1,000 N
Puncture Resistance, Ball	D751	1,800 lbs	8,000 N
Hydrostatic Resistance	D751A	600 psi	4.1 MPa
RF Adhesion	D751	40 lbs / in	70 N / cm
Thermal Adhesion	D751	40 lbs / in	70 N / cm
Low Temp	D2136	-50°F	-46°C
High Temp, Cont/Interm.	D1204	160 / 180°F	71 / 82°C
Abrasion Resistance (Wheel H18 / 1 kg)	D3884	12,000 cycles	

A variety of standard widths and colors are available.

This product designed for primary containment of fuel in flexible tanks up to 210K gallons.
Diffusion of JP8 is less than 0.06 fl-oz / ft² / day.

A One-Stop Shop. Cooley is the leading provider of a complete range of commercial and potable water-grade geomembranes—including Coolpro® reinforced polypropylene, Coolthane® polyurethane coated fabrics, and Coolshield® for high-temperature and extreme containment applications—to provide cost-competitive solutions for a wide, highly diverse range of applications.

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.

For further information, please contact Engineered Membranes: **401.724.9000** or **eminfo@cooleygroup.com**

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