

**COOLTHANE®**

**FUEL  
 CONTAINMENT**

**CoolThane® L4090NESUE | 41 oz / yd<sup>2</sup> | 1,390 g / m<sup>2</sup>**

Base Fabric	Standard	Metric
Weight	15.6 oz / yd <sup>2</sup>	529 g / m <sup>2</sup>
Fiber / Style	Nylon-Polyester / Style 90	

Coated Fabric	Standard	Metric
Thickness	50 mils	1.27 mm
Total Weight	41 (+/- 1) oz / yd <sup>2</sup>	1,390 (+/- 34) g/m <sup>2</sup>
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 / ft<sup>2</sup> / 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.



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**For further information, please contact Engineered Membranes: 401.724.9000 or [eminfo@cooleygroup.com](mailto:eminfo@cooleygroup.com)**