Cooley Engineered Membranes
WHERE SUSTAINABLE CHEMISTRY MAKES THE DIFFERENCE

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By: LSR

TECHNICAL DATA SHEET

L3790NESUE-REVB

1.0 BASE FABRIC

1.1	Base Fabric Weight	15.6	*oz/yd²*	529	*g/m²*

2.0 COATED FABRIC

2.1	Total Weight	37 -1/+2	*oz/yd²*	1,254 -34/+68	*g/m²*
2.2	Coating Type	Urethane			
2.3	Sealing Properties	☒ Dielectric		☒ Thermal	

3.0 MATERIAL PROPERTIES

		Standard		Metric		ASTM TEST METHODS
3.1	Tensile Strength, 1" Strip					
	Warp	700	*lbs*	3,113	*N*	D751-B
	Fill	700	*lbs*	3,113	*N*	
3.2	Tensile Elongation, 1" Strip					
	Warp	25	*%*	25	*%*	D751-B
	Fill	25	*%*	25	*%*	
3.3	Tear Strength, Tongue					
	Warp	50	*lbs*	222	*N*	D751-B (mod)
	Fill	50	*lbs*	222	*N*	
3.4	Puncture, Screwdriver	225	*lbs*	1,000	*N*	D751
3.5	Puncture, Ball	1,800	*lbs*	8,000	*N*	D751
3.6	Hydrostatic Resistance	600	*psi*	4.1	*MPa*	D751-A
3.7	Adhesion, RF	50	*lbs/in*	88	*N/cm*	D751
3.8	Adhesion, Thermal	50	*lbs/in*	88	*N/cm*	D751
3.9	Low Temp	-50	*°F*	-46	*°C*	D2136
3.10	High Temp, Cont/Interm.	160 / 180	*°F*	71 / 82	*°C*	D1204

COMMENTS: This product is designed for primary containment of fuel in accordance with MIL-PRF-32233B (Rev May 2015).

This product is made with thermoplastic urethane (TPU) resin that is NSF 61 certified for potable water storage.

A variety of standard widths and colors are available. Contact Cooley Engineered Membranes for details.

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