

**PRODUCT SPECIFICATION**

**L4490NESU**

**1.0 BASE FABRIC**

1.1	Base Fabric Weight	14 oz/yd <sup>2</sup>	475 g/m <sup>2</sup>
1.2	Fiber / Style	Nylon / Style 90	

**2.0 COATED FABRIC**

2.1	Total Weight	45 ±2 oz/yd <sup>2</sup>	1490 ±65 g/m <sup>2</sup>
2.2	Thickness	54 ±5 mils	1.4 ±0.1 mm
2.3	Coating Type	Urethane	
2.4	Coating Distribution	50/50	
2.5	Sealing Properties	<input checked="" type="checkbox"/> Dielectric	<input checked="" type="checkbox"/> Thermal

**3.0 MATERIAL PROPERTIES**

**Standard**

**Metric**

**ASTM TEST METHODS**

3.1	Tensile Strength, Grab			
	Warp	1,200 lbs	5,340 N	D751-A
	Fill	1,100 lbs	4,890 N	
3.2	Tensile Strength, 1" Strip			
	Warp	800 lbs/in	3,560 N	D751-B
	Fill	750 lbs/in	3,340 N	
3.3	Tear Strength, Tongue			
	Warp	40 lbs	180 N	D751-B (mod)
	Fill	65 lbs	290 N	
3.4	Puncture, Screwdriver	225 lbs	1,000 N	D751
3.5	Puncture, Ball	1800 lbs	8,000 N	D751
3.6	Hydrostatic Resistance	600 psi	4.1 MPa	D751-A
3.7	Ply Adhesion	30 lbs/2 in	130 N/5 cm	D751 (mod)
3.8	Adhesion RF	40 lbs/in	70 N/cm	D751
3.9	Adhesion Thermal	40 lbs/in	70 N/cm	D751
3.10	Low Temp	-50 °F	-46 °C	D2136
3.11	High Temp, Cont/Interm.	160 / 180 °F	71 / 82 °C	D1204
3.12	Abrasion Resistance (Wheel H18 / 1 kg)	12,000 cycles	12,000 cycles	D3884

**COMMENTS: This product designed for primary containment of fuel per ATPD 2264**

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

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