

## MICRO SPIKE® JACKET HD 8180 WELDED BOLT & NUT SYSTEM

### Product Overview:

Fortified Polyolefin Alloy technology. The process of fortifying a geomembrane requires that a geomembrane be manufactured with special prime grade resins blended with a highly stabilized and advance UV antioxidant formulation. This provides the jacket with superior physical, mechanical, and endurance properties.

### NEW FEATURE:

MICROSPIKE® JACKET HD 8180 HAS A ONE SIDE SMOOTH AND THE OTHER SIDE SURFACE FINISH WITH A MICROSPIKE ® TECHNOLOGY WHICH PROVIDES EXCELLENT GRIP AND ADHESION TO THE TAPE SURFACE.



## Microspike® Jacket HD 8180 Material Properties

Style	ASTM	MICROSPIKE® JACKET HD
Thickness	D5199	80 mil 2 mm
Tear Resistance, Lbs (N)	D1004	60 (267)
Stress Crack Resistance (SP-NCTL) hrs	ASTM D5397	500
Strength at Break <sup>1</sup>	D638	265 psi 45 N/mm
Elongation at Break <sup>2</sup>	D638	1000%
Trapezoidal Tear Resistance	D751	148 lbs 620 N
Puncture Resistance	D4833	150 lbs 667 N
Critical Cone Height <sup>3</sup>	D5514	2" 50 mm
Axi-Symmetric Break Strain <sup>3</sup>	D5617	80%
High Pressure Oxidative Induction Time (HPOIT)	D5885	2000 minutes' minimum
UV Resistance, 40,000 hours Strength Retained (Black) <sup>3,4</sup>	D4329	90%
Brine Resistance <sup>3</sup> HPOIT after 4,800 hours at 90C	D1693 D5885	1,000 to 1,500 mins
Water Vapor Transmission <sup>3,4</sup>	D1249	3x10 <sup>-13</sup> cm/sec

Solvent Vapor Permeability <sup>3,5</sup>	D814	Fuel C (Toluene/Octane) < 4 g/m <sup>2</sup> •hr Diesel Fuel < 0.4 g/m <sup>2</sup> •hr
Methane Permeability <sup>3,4</sup>	D1434	2.11 x 10 <sup>-4</sup> m <sup>3</sup> /m <sup>2</sup> •day



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