

Non-Woven Technical Data - Full Spec

**Part Code: 13.5OZ-PE-DURAL-84** AKA: MicroDenier

**Description: 13.5oz PE - Dual Density - 84" (Fiber-Lite)**

U.S Units **782-FL-84**

Trademark Pending™

FS: Y

Fiber Composition	Grade/Denier	Scrim	(OPSY)
Polyester 100% Virgin	2.5d   1.5d 45% 55%	PE	0.89'

Nominal Weight (oz/yd <sup>2</sup> )	Width	Thickness
13.5 OZ Tolerance +/- 1.0	84 Inches	0.07 Inches

Membrane Lamination
No (ePTFE, Teflon)

Air Permeability (CFM)
45 CFM Tolerance +/- 20%

Thermal Stability (Shrinkage)	Warp:	Shrinkage less than <
2 hours @ 302° F	1.6 % 0 %	0.80 %

Tensile Strength (LB/FT):	Lb/Ft	(N)	N/M <sup>2</sup>
2" in x 8" in Strip (1.97" x 7.87")	Warp: 270 Weft: 337	Warp: 1200 Weft: 1500	

Mullen Burst Strength:
380 PSI Minimum

**Finish**  
 Heatset, Calendered, Singed 1 Side, ,

**Other**

General Performance on Polyester			Enhancement performance adder:
Temperature (F°)	Operating	275° F	MicroDenier for optimum performance
	Surge	300° F	
Flex Abrasion:	Very Good		<b>PM 2.5 Efficiency (ASTM--D6830-02)</b> 99.997%
Acid Resistance:	Fair		
Flouride Resistance:	Poor to Fair		
Alkali Resistance:	Fair		

*FOR INDUSTRIAL USE ONLY . Not for use in food, drug, cosmetic or medical device manufacturing, processing, or packaging operations. Valid tolerances are +/-10% unless otherwise noted.*