



Revision Date: 9/20/2022

Approved by: RR

Version: TL-1

PRODUCT SPECIFICATION**PRODUCT ID # : 10011E-1360 SK****E2 XTRM PLY 13oz TPU CIPP Expansion Bladder****Base Fabric**

Weight 1.1 oz/yd² (37 g/m²)
Yarn Nylon

Coating

Polymer TPU Ether
Color Clear
Width (XXX) 60 in

Physical Properties	Units	Test Method	Typical value	
Thickness	mils	ASTM D751	15.0 (± 5%)	
	mm		0.42	
Weight	oz/yd ²	ASTM D751	13.0 (± 5%)	
	g/m ²		441	
Tear Strength (Trap Tear)	lbf	ASTM D4533	15 (MD)	15 (TD)
	N		67 (MD)	67 (TD)
Breaking Strength (Grab Tensile)	lbs	ASTM D751-A	80 (MD)	80 (TD)
	N		356 (MD)	356 (TD)
Hydrostatic Resistance (Mullen Tester)	psi	ASTM D751-A	150	
	Mpa		1.03	
Abrasion Resistance (H18 wheel, 1000g load)	cycles	ASTM D3884	2000	
Adhesion- Ply	lb/in	ASTM D751	15	
	N/25mm		66	
Adhesion- Wedge Weld	lb/2in	ASTM D413	36	
	N/50mm		315	
Low Temperature Bend Test (1/8" Mandrel, 4 hours)	°F	ASTM D2136	-30	
	°C		-34	
Puncture Resistance (Screw Tip)	lbs	ASTM D751	25	
	N		111	
Bursting Strength (Ball Tip)	lbf	ASTM D751	150	
	N		667	
Dimensional Stability (Max)	%	ASTM D1204	3.0%	
High Temperature Resistance	°F	ASTM D 2136	Cont. 250 / Int. 275	

This document is a draft and is provided for information purpose only.

The information contained herein is subject to change. Final Version will be published as soon as adopted

Product Specifications are typical values, actual results may be higher

We believe this information is the best currently available on the subject. It is provided as a suggestion in any appropriate experimentation you may care to undertake. It is subject to revision as additional knowledge, information and experience are gained. We make no guarantee of results and assume no obligation, warranty or liability whatsoever in connection with this information. In case of conflict between standard and metric specifications, standard shall apply