



Revision Date: 7/24/2022  
 Approved by: SM  
 Version: 3.3

**PRODUCT SPECIFICATION**  
**PRODUCT ID # : 7087-30120-514**  
**EPT XTRM PLY HPL 30oz**

<b>Base Fabric</b>			
Weight	8.3 oz/yd <sup>2</sup>	(281 g/m <sup>2</sup> )	
Yarn	Polyester		
<b>Coating</b>			
Polymer	EIA/KEE		
Color	Black		
Sealing	RF, Hot Air, Wedge		
Width	60.0 in	86 in	120 in

Physical Properties	Units	Test Method	Typical value	
Thickness	mils	ASTM D751	34.0 (± 5%)	
	mm		0.86	
Weight	oz/yd <sup>2</sup>	ASTM D751	30.0 (± 5%)	
	g/m <sup>2</sup>		1017	
Tear Strength	lbf	ASTM D4533	150 (MD)	150 (TD)
(Trap Tear)	N		667 (MD)	667 (TD)
Tear Strength	lbs	ASTM D751- B	125 (MD)	100 (TD)
(Tongue Tear)	N		556 (MD)	445 (TD)
Breaking Strength	lbs	ASTM D751-A	450 (MD)	550 (TD)
(Grab Tensile)	N		2002 (MD)	2447 (TD)
Breaking Strength	lbs	ASTM D 882	300 (MD)	300 (TD)
( 1" Strip Tensile)	N		1334 (MD)	1334 (TD)
Elongation (Grab Tensile)	%	ASTM D751-A	20.0%	
Hydrostatic Resistance (Mullen Tester)	psi	ASTM D751-A	800	
	Mpa		5.52	
Abrasion Resistance (H18 wheel, 1000g load)	cycles	ASTM D3884	500	
Adhesion- Ply	lb/in	ASTM D751	7	
	N/25mm		31	
Adhesion- Weld	lb/2in	ASTM D413	20	
	N/50mm		175	
Low Temperature Bend Test (1/8" Mandrel, 4 hours)	°F	ASTM D2136	-25	
	°C		-32	
Blocking Resistance (Max)	Rating	ASTM D751	#1	
Fungus Resistance		AATCC30	Pass	
Puncture Resistance (Screw Tip)	lbs	ASTM D751	110	
	N		489	
Puncture Resistance (Flat Tip)	lbs	ASTM D4833	200	
	N		890	
Bursting Strength (Ball Tip)	lbf	ASTM D751	700	
	N		3114	
Dimensional Stability (Max)	%	ASTM D1204	2.0%	
Coefficient of Thermal Expansion	/°C	ASTM E831-14	136.9X10-6	
	/°F		76.19X10-6	
Vapor Transmission Rate (Cont 192h at 73.4±3.6°F)		ASTM D 814-95 (2014)		
Unleaded Gasoline w/Ethanol (≤ 10%)	Oz./(24 h.ft <sup>2</sup> )		0.268	
Unleaded Gasoline w/o Ethanol	Oz./(24 h.ft <sup>2</sup> )		0.267	
Diesel fuel	Oz./(24 h.ft <sup>2</sup> )		0.043	
Water Vapor Transmission	Oz./(24 h.ft <sup>2</sup> )	ASTM E96 Proc BW	0.146	
Seam Shear Strength	lb/in	ASTM D 7747	300	
	N/25mm		1313	
Maximum Static Use Temperature	°F	-	170 F Cont./200 F Int.	

Product Specifications are minimum 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