



Revision Date: 5/27/2016
Approved by: BK
Version: 2016-2

PRODUCT SPECIFICATION

PRODUCT ID # : 7087-30120-513

EPT XTRM PLY HP 30oz x 120"

Base Fabric

Weight 8.3 oz/yd² (281 g/m²)
Yarn Polyester

Coating

Polymer EIA/KEE
Color Black
Sealing RF, Hot Air, Wedge
Width 60 in 86 in 120 in

Physical Properties	Units	Test Method	Minimum value
Thickness	mil mm	ASTM D751	34.0 (± 5%) 0.86
Weight	oz/yd ² g/m ²	ASTM D751	29 983
Tear Strength	lbf	ASTM D4533	150 (MD) 200 (TD)
(Trap Tear)	N		667 (MD) 890 (TD)
Tear Strength	lbs	ASTM D751- B	125 (MD) 100 (TD)
(Tongue Tear)	N		556 (MD) 445 (TD)
Breaking Strength	lbs	ASTM D751-A	500 (MD) 550 (TD)
(Grab Tensile)	N		2224 (MD) 2447 (TD)
Breaking Strength	lbs	ASTM D751-B	300 (MD) 300 (TD)
(1" Strip Tensile)	N		1334 (MD) 1334 (TD)
Elongation (Grab Tensile)	%	ASTM D751-A	25.0%
Hydrostatic Resistance (Mullen Tester)	psi Mpa	ASTM D751-A	800 5.52
Abrasion Resistance (H18 wheel, 1000g load)	cycles	ASTM D3884	300
Adhesion - Ply	lb/in N/25mm	ASTM D751	7 31
Adhesion - Wedge Weld	lb/2in N/50mm	ASTM D413	20 88
Low Temperature Bend Test	°F °C	ASTM D2136	-25 -32
Blocking Resistance (Max)	Rating	ASTM D751	#1
Fungus Resistance		AATCC30	Pass
Ozone Resistance		ASTM D1149	Pass
Puncture Resistance	lbs	ASTM D751	110
(Screw Tip)	N		489
Puncture Resistance	lbs	ASTM D4833	200
(Flat Tip)	N		890
Bursting Strength	lbf	ASTM D751	750
(Ball Tip)	N		3336
Dimensional Stability (max)	%	ASTM D1204	2.0%
Coefficient of Thermal Expansion	/°C /°F	ASTM E831-14	136.9X10-6 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 ²)		0.268
Unleaded Gasoline w/o Ethanol	Oz./(24 h.ft ²)		0.267
Diesel fuel	Oz./(24 h.ft ²)		0.043
Water Vapor Transmission	Oz./(24 h.ft ²)	ASTM D96 Proc BW	0.146
Seam Strength	lb/in N/25mm	ASTM D 751	300 1313

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