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 Approved by: BK
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PRODUCT SPECIFICATION

PRODUCT ID # : 7087-45120-513-PRGM

EPT XTRM PLY HP 38oz/45 mil 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 60.0 in 86 in 120 in

Physical Properties	Units	Test Method	Typical value
Thickness	mils	ASTM D751	45.0 (± 5%)
	mm		1.27
Weight (nominal)	oz/yd ²	ASTM D751	38
	g/m ²		1273
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	500 (MD) 550 (TD)
(Grab Tensile)	N		2224 (MD) 2447 (TD)
Breaking Strength	lbs	ASTM D751-B	320 (MD) 320 (TD)
(1" Strip Tensile)	N		1423 (MD) 1423 (TD)
Elongation (Grab Tensile)	%	ASTM D751-A	20.0%
Hydrostatic Resistance (Mullen Tester)	psi	ASTM D751-A	850
	Mpa		5.86
Abrasion Resistance	cycles	ASTM D3884	1000
(H18 wheel, 1000g load)			
Adhesion- Ply	lb/in	ASTM D751	7
	N/25mm		31
Adhesion- Wedge Weld	lb/2in	ASTM D413	20
	N/50mm		88
Low Temperature Bend Test	°F	ASTM D2136	-25
(1/8" Mandrel, 4 hours)	°C		-32
Low Temperature Bend Test	°F	ASTM D2136	-30
(1" Mandrel, 4 hours)	°C		-34
Blocking Resistance (Max)	Rating	ASTM D751	2
Fungus Resistance		AATCC30	Pass
Ozone Resistance		ASTM D1149	Pass
Puncture Resistance	lbs	ASTM D751	120
(Screw Tip)	N		534
Puncture Resistance	lbs	ASTM D4833	225
(Flat Tip)	N		1001
Bursting Strength	lbf	ASTM D751	750
(Ball Tip)	N		3336
Dimensional Stability (max)	%	ASTM D1204	2.0%
Accelerated Weathering (QUV)	hours	ASTM G 154	8000
Coefficient of Thermal Expansion	/°C	ASTM E831-14	136.9X10 ⁻⁶
	/°F		76.19X10 ⁻⁶
Seam Shear Strength	lb/in	ASTM D 882	320
Vapor Transmission Rate (Cont 192h at 73.4±3.6°F)- nominal		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 E96 Proc BW	0.146

Grab Tensile Strength (1in grip, 4 in by 8in sample)

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

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