



Revision Date: 4/4/2019
 Approved by: RR
 Version: TR-1

PRODUCT SPECIFICATION

PRODUCT ID # : 7087-38120-589

EPT XTRMPPLY HPLX- 38 oz

Base Fabric

Weight 11.0 oz/yd² (373 g/m²)
 Yarn Polyester

Coating

Polymer EIA/KEE
 Color Black
 Sealing RF, Hot Air, Wedge
 Width 120.0 in

Physical Properties	Units	Test Method	Minimum value	
Thickness (typical)	mils	ASTM D751	45.0 (± 5%)	
	mm		1.14	
Weight (typical)	oz/yd ²	ASTM D751	38	
	g/m ²		1288	
Tear Strength	lbf	ASTM D4533	200 (MD)	200 (TD)
(Trap Tear)	N		890 (MD)	890 (TD)
Breaking Strength	lbs	ASTM D751-A	650 (MD)	650 (TD)
(Grab Tensile)	N		2891 (MD)	2891 (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	800	
Adhesion- Ply	lb/in	ASTM D751	15	
	N/25mm		66	
Adhesion- Wedge Weld	lb/2in	ASTM D413	45	
	N/50mm		197	
Low Temperature Bend Test (1/8" Mandrel, 4 hours)	°F	ASTM D2136	-20	
	°C		-29	
Low Temperature Bend Test (1" Mandrel, 4 hours)	°F	ASTM D2136	-30	
	°C		-34	
Blocking Resistance (Max)	Rating	ASTM D751	2	
Puncture Resistance	lbs	ASTM D751	110	
(Screw Tip)	N		489	
Puncture Resistance	lbs	ASTM D4833	250	
(Flat Tip)	N		1112	
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	
Vapor Transmission Rate (Cont 192h at 73.4 ±3.6°F)		ASTM D 814-95 (2014)		
Unleaded Gasoline w/Ethanol (≤ 10%)	Oz./(24 h.ft²)		0.268	
Unleaded Gasoline w/o Ethanol	Oz./(24 h.ft²)		0.267	
Diesel fuel	Oz./(24 h.ft²)		0.043	
Water Vapor Transmission	Oz./(24 h.ft²)	ASTM E96 Proc BW	0.146	
Seam Strength	lb/in	ASTM D 751	320	
	N/25mm		1401	
Low Temperature Bend Test (1" Mandrel, 4 hours)	°F	ASTM D2136	-30	
Toughness	lbs	-	14000	
Permeance (Procedure BW)	Perms	ASTM E 96/ E96M	0.003-0.055	
Water Immersion	%	ASTM D 570	1.5	

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