

Torchflex Ultra TP-HD-Cap

Torchflex Ultra TP-HD-Cap is a heat-welded cap sheet constructed with a tough composite reinforcement of nonwoven polyester strengthened with a glass fiber scrim in both machine and cross directions. The composite reinforcement imparts tremendous strength and shock-absorbing properties to the membrane as well as excellent dimensional stability both before and after application. The mat is fully permeated and heavily coated throughout with a uniform and homogeneous blend of select SBS polymers and premium asphalt, which provides exceptional product performance and enhanced flexibility. This product meets the requirements of CSA A123.23 Type C Grade 1 and ASTM D6162 Type I Grade G.

CHARACTERISTICS	UNITS	SPECIFICATION	TEST METHOD	TYPICAL TEST PERFORMANCE
Rolls per Pallet:	-	-	-	32
Length:	m (ft)	-	-	8(26.2)
Width:	mm (in)	-	-	1005 (39.6)
Thickness:	mm (mils)	-	-	4.0 (157)
Selvage Width:	mm (in)	-	-	90 (3.5)
Selvage Thickness	mm (mils)	CSA A123.23	ASTM D5147	2.87 (113)
Mass Per Unit Area	g/m ² (lb/ft ²)	CSA A123.23	ASTM D5147	6105 (1.25)
Back Surface Coating Thickness	mm (mils)	CSA A123.23	ASTM D5147	2.82 (111)
Strain Energy, @ 23 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	32.9/27.2 (188/155) 22.8/23.3 (130/133)
Strain Energy, @ -18 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	28.9/27.5 (165/157) 30.1/23.2 (172/132)
Peak Load, @ 23 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	19.4/17.3 (111/98.6) 20.5/18.9 (117/108)
Peak Load, @ -18 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	26.6/25.2 (152/144) 27.5/22.9 (157/131)
Elongation @ Peak Load @ 23 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	70.3/69.3 46.0/49.0
Elongation @ Peak Load @ -18 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	67.5/68.5 68.5/61.5
Ultimate Elongation @ 23 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	99.7/85.8 55.7/66.4
Low Temperature Flexibility MD/XD: Before heat conditioning After heat conditioning	°C	CSA A12.23	ASTM D5147	-18/-18 -18/-18
Low Temperature Flexibility after UV Weathering:	°C (°F)	CSA A123.23	ASTM D5147	-12
Dimensional Stability MD/XD:	%	CSA A123.23	ASTM D5147	-0.16/-0.26
Compound Stability:	°C (°F)	CSA A123.23	ASTM D5147	91
Granular Embedment	g (oz)	CSA A123.23	ASTM D4977	0.48 (0.0169)
Resistance to puncture:	-	CSA A123.23	CSA A123.23	Pass

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