TECHNICAL DATA SHEET

STOCK NO. 7750090 **MAR, 2023**

Torchflex TP-180-FF-Base

Torchflex TP-180-FF-Base is constructed using a tough non-woven reinforced polyester mat strengthened with select glass fiber strands and coated top and bottom with select SBS polymers and premium asphalt. Covered with a micro-perforated film on both surfaces, the top film of Torchflex TP-180-FF-Base will melt during the application of the heat welded cap sheet while the bottom film dissolves during heat welding to the substrate. This product meets the requirements of CSA A123.23 Type B Grade 3.

CHARACTERISTICS	UNITS	SPECIFICATION	TEST METHOD	TYPICAL TEST PERFORMANCE
Rolls per Pallet:	-	-	-	32
Length:	m (ft)	-	-	10 (32.8)
Width:	mm (in)	-	-	1005 (39.6)
Thickness:	mm (mils)	-	-	3.0 (118)
Selvage Width:	mm (in)	-	-	90 (3.5)
Selvage Thickness:	mm (mils)	CSA A123.23	ASTM D5147	3.10 (123)
Mass Per Unit Area:	kg/m^2 (lb/100ft^2)	CSA A123.23	ASTM D5147	3.98 (81.5)
Back Surface Coating Thickness:	mm (mils)	CSA A123.23	ASTM D5147	1.24 (48.8)
Strain Energy, @ 23 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	34.5/18.6 (197/106) 17.0/14.4 (97.1/82.2)
Strain Energy, @ -18 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	14.5/11.6 (82.8/66.2) 8.81/10.2 (50.3/58.2)
Peak Load, @ 23 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	19.8/11.3 (113/64.7) 16.6/10.8 (94.8/61.9)
Peak Load, @ -18 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	15.6/12.8 (89.0/73.1) 19.3/10.2 (110/58.1)
Elongation @ Peak Load @ 23 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	74.0/69.3 7.33/53.3
Elongation @ Peak Load @ -18 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	22.7/51.5 8.50/34.5
Ultimate Elongation @ 23 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	34.5/18.6 41.3/55.3
Low Temperature Flexibility @ -18 °C MD/XD: Before heat conditioning After heat conditioning	°C	CSA A123.23	ASTM D5147	-18/-18 -18/-18
Dimensional Stability MD/XD:	%	CSA A123.23	ASTM D5147	-0.29/-0.27
Compound Stability:	°C	CSA A123.23	ASTM D5147	102
Resistance to puncture:	-	CSA A123.23	CSA A123.23	Pass