



IKO TECHNICAL DATA SHEET

STOCK NO. 7750053

DEC, 2023

Torchflex TP-180-SF (3.0mm) Base

Torchflex TP-180-SF-Base (3.0 mm) is a durable and reinforced heat welded base sheet. This product is made with a tough non-woven reinforced polyester mat strengthened with select glass fiber strands and coated top and bottom with select SBS polymers and premium quality asphalt to an approximate thickness of 3.0 mm (118 mils). Torchflex TP-180-SF-Base sheet's top surface is sanded to prevent sticking in the roll during application. The underside of the product is covered with a micro-perforated film surface that conveniently disappears upon torch welding to the substrate. This product satisfies 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	2.98 (117)
Mass Per Unit Area:	kg/m ² (lb/100ft ²)	CSA A123.23	ASTM D5147	3.82 (78.1)
Back Surface Coating Thickness:	mm (mils)	CSA A123.23	ASTM D5147	1.38 (54.3)
Strain Energy, @ 23 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	19.4/15.8 (111/90.4) 14.5/11.2 (83/64)
Strain Energy, @ -18 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	20.5/12.4 (117/70.8) 8.30/8.34 (47.4/47.6)
Peak Load, @ 23 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	84.6/62.5 (483/357) 92.2/54.0 (526/312)
Peak Load, @ -18 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	123/81.4 (702/465) 99.4/68.6 (568/392)
Elongation @ Peak Load @ 23 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	55.4/62.3 24.7/37.3
Elongation @ Peak Load @ -18 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	37.0/51.5 7.00/39.5
Ultimate Elongation @ 23 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	62.0/78.8 36.0/43.2
Low Temperature Flexibility 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	-0.35/0.29
Compound Stability:	°C (°F)	CSA A123.23	ASTM D5147	102
Resistance to puncture:	-	CSA A123.23	CSA A123.23	Pass

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