



TECHNICAL DATA SHEET

STOCK NO. 7780XXX

JUN, 2023

Torchflex TP-HD-Cap

Torchflex TP-HD-Cap is a heat welded cap sheet constructed with a tough composite reinforcement of non-woven 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. Torchflex TP-HD-Cap is meant to serve as the top ply in a two-ply SBS modified bitumen system. A light micro-perforated film is bonded to the underside and conveniently disappears upon heat welding. This product meets the requirements of CSA A123.23 Type C Grade 1.

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 (158)
Selvage Width:	mm (in)	-	-	90 (3.5)
Selvage Thickness:	mm (mils)	CSA A123.23	ASTM D5147	2.79 (110)
Mass Per Unit Area:	kg/m ² (lb/100ft ²)	CSA A123.23	ASTM D5147	5.82 (119)
Back Surface Coating Thickness:	mm (mils)	CSA A123.23	ASTM D5147	2.92 (115)
Strain Energy, @ 23 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	37.7/29.0 (215/166) 35.0/25.6 (200/146)
Strain Energy, @ -18 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	41.3/24.6 (236/140) 27.3/22.0 (156/126)
Peak Load, @ 23 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	20.5/15.3 (117/87.5) 20.0/13.7 (114/78.2)
Peak Load, @ -18 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	26.4/20.1 (151/115) 22.6/17.0 (129/96.9)
Elongation @ Peak Load @ 23 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	77.0/77.0 67.0/67.7
Elongation @ Peak Load @ -18 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	89.0/69.5 65.5/67.5
Ultimate Elongation @ 23 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	81.6/106 70.5/77.5
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	-0.15/0.00
Compound Stability:	°C (°F)	CSA A123.23	ASTM D5147	91
Granular Embedment	g (oz)	CSA A123.23	ASTM D4977	1.88 (0.0663)
Resistance to puncture:	-	CSA A123.23	CSA A123.23	Pass

IKO's products adhere to the industry standards of the jurisdiction in which they are sold by IKO. Numerical testing scores listed herein, if any, relate only to the samples tested and the standards & procedures listed herein. IKO does not guarantee that every IKO product will, upon similar testing, reveal an identical score to those set forth herein. IKO does not accept responsibility for any matters arising or consequences from the use of numerical testing scores.