TECHNICAL DATA SHEET - RCABC

ISO 9001 - 2008
REGISTERED
FACILITY

STOCK NO. 7750090 **JULY, 2016**

TORCHFLEX TP-180-FF-BASE

Torchflex TP-180-FF-Base is constructed using a reinforcing mat of durable non-woven polyester, which is coated and impregnated with SBS modified bitumen. Both surfaces are covered with a thin poly-film. The top film will melt during the application of the heat welded cap sheet while the bottom film dissolves during heat welding to the substrate. Torchflex TP-180-FF-Base can be used as the "lay-flat" base sheet in a layered membrane construction system. This product will easily satisfy the requirements of CGSB-37.56-M for Class P, Type 2, and Grade 2 materials as well as the requirements of ASTM D6164 for Type I, Grade S materials. IKO's products are produced and designed with consideration for environmental responsibility and sustainability, incorporating quality recycled components whenever possible, manufactured in facilities that comply with the most stringent government environmental regulations, and can therefore be a part of any "green" construction project.

CHARACTERISTIC	UNITS	NOMINAL VALUE	SPECIFICATION	TEST METHOD**	STANDARD LIMITS
ROLLS PER PALLET:	-	32	-	-	N/A
PALLET SIZE:	cm (in)	132 x 112 52 x 44	-	-	-
LENGTH:	m (ft)	10 (32.8)	-	-	± 1%
WIDTH:	mm (in)	1005 (39.6)	-	-	± 6 (1/4)
WEIGHT:	kgs (lbs)	36 (79.4)	-	-	-
AREA:	m^2 (ft^2)	10 (108)	-	-	-
THICKNESS:	mm (mils)	3.0 (118)	-	-	± 0.4 (16)
LINES:	mm (in)	90 (3.5) 505 (19.9)	-	-	± 5 (1/4)
COLD FLEX:	°C (°F)	-30 (-22)	ASTM D6164	ASTM D5147	MIN: -18 (0)
STRAIN ENERGY @ 23°C **MD:** **XD:**	kN/m	8.1 8.8	CGSB-37.56-M	CGSB-37.56-M	MIN: 5.5*
TENSILE STRENGTH **MD:** **XD:**	kN/m (lbf/in)	16 (91) 13 (74)	ASTM D6164	ASTM D5147	MIN: 8.8 (50)
ULTIMATE ELONGATION (MD/XD):	%	60 / 70	ASTM D6164	ASTM D5147	MIN: 35
TEAR STRENGTH **MD:** **XD:**	N (lbf)	74 (17) 81 (18)	CGSB-37.56-M	CGSB-37.56-M	MIN: 20 (4.5)*
TENSILE-TEAR **MD:** **XD:**	N (lbf)	511 (115) 377 (85)	ASTM D6164	ASTM D5147	MIN: 246 (55)
LAP STRENGTH (5D@23°C) **MD:** **XD:**	kN/m (lbf/in)	23 (131) 23 (131)	CGSB-37.56-M	CGSB-37.56-M	MIN: 4 (23)*
STATIC PUNCTURE:	N (lbf)	≥ 300 (67)	CGSB-37.56-M	CGSB-37.56-M	> 150 (34)*

* CGSB-37.56-M revision, 9th draft, dated January 1997.
** Although both ASTM and CGSB may have requirements for a particular test, only the more stringent is indicated.

The information on this Technical Data sheet is based upon data considered to be true and accurate, based on laboratory tests and production measurements, and is offered solely for the user's consideration, investigation and verification. Nothing contained herein is representative of a warranty or guarantee for which the manufacturer can be held legally responsible. The manufacturer does not assume any responsibility for any misrepresentation or assumptions the reader may formulate.