



# TECHNICAL DATA SHEET

STOCK NO. 7640XXX

JUN, 2023

## Torchflex TP-250-Cap (5.0)

Torchflex TP-250-Cap (5.0) is a thick heat-welded cap sheet (5.0 mm/197 mils), constructed with a tough non-woven reinforced polyester mat, strengthened with select glass fiber strands. Torchflex TP-250-Cap (5.0) is coated top and bottom with select SBS polymers and premium asphalt. Ceramic coated mineral granules are embedded in the surface of the product to provide protection against ultraviolet radiation. This product meets the requirements of CSA A123.23 Type B Grade 1.

| CHARACTERISTICS   | UNITS                                      | SPECIFICATION | TEST METHOD | TYPICAL TEST PERFORMANCE                      |
|---|--|---------------|-------------|---|
| Rolls per Pallet:   | -  | -             | -           | 24  |
| Length:   | m (ft)                                     | -             | -           | 8 (26.2)                                      |
| Width:  | mm (in)                                    | -             | -           | 1005 (39.6)                                   |
| Thickness:  | mm (mils)                                  | -             | -           | 5.0 (197)                                     |
| Selva Width:  | mm (in)                                    | -             | -           | 90 (3.5)                                      |
| Selva Thickness:  | mm (mils)                                  | CSA A123.23   | ASTM D5147  | 4.0 (157)                                     |
| Mass Per Unit Area:   | kg/m <sup>2</sup> (lb/100ft <sup>2</sup> ) | CSA A123.23   | ASTM D5147  | 6.08 (125)                                    |
| Back Surface Coating Thickness:   | mm (mils)                                  | CSA A123.23   | ASTM D5147  | 1.72 (67.7)                                   |
| Strain Energy, @ 23 °C MD/XD:<br>Before heat conditioning<br>After heat conditioning          | kN/m (lbf/in)                              | CSA A123.23   | ASTM D5147  | 11.3/8.79 (64.5/50.2)<br>22.0/26.2 (126/150)  |
| Strain Energy, @ -18 °C MD/XD:<br>Before heat conditioning<br>After heat conditioning         | kN/m (lbf/in)                              | CSA A123.23   | ASTM D5147  | 14.3/13.2 (81.7/75.4)<br>19.8/17.5 (113/99.9) |
| Peak Load, @ 23 °C MD/XD:<br>Before heat conditioning<br>After heat conditioning              | kN/m (lbf/in)                              | CSA A123.23   | ASTM D5147  | 22.2/16.7 (121/95.5)<br>19.3/18.9 (110/108)   |
| Peak Load, @ -18 °C MD/XD:<br>Before heat conditioning<br>After heat conditioning             | kN/m (lbf/in)                              | CSA A123.23   | ASTM D5147  | 28.5/24.9 (163/142)<br>22.1/20.7 (126/118)    |
| Elongation @ Peak Load @ 23 °C MD/XD:<br>Before heat conditioning<br>After heat conditioning  | %  | CSA A123.23   | ASTM D5147  | 66.7/67.7<br>39.7/53.3                        |
| Elongation @ Peak Load @ -18 °C MD/XD:<br>Before heat conditioning<br>After heat conditioning | %  | CSA A123.23   | ASTM D5147  | 57.1/62.5<br>40.5/44.5                        |
| Ultimate Elongation @ 23 °C MD/XD:<br>Before heat conditioning<br>After heat conditioning     | %  | CSA A123.23   | ASTM D5147  | 94.4/89.8<br>43.3/58.9                        |
| Low Temperature Flexibility MD/XD:<br>Before heat conditioning<br>After heat conditioning     | °C   | CSA A12.23    | ASTM D5147  | -18/-18<br>-18/-18                            |
| Low Temperature Flexibility after UV Weathering:  | °C   | CSA A123.23   | ASTM D5147  | -12   |
| Dimensional Stability MD/XD:  | %  | CSA A123.23   | ASTM D5147  | 0.00/-0.03                                    |
| Compound Stability:   | °C   | CSA A123.23   | ASTM D5147  | 102   |
| Granular Embedment  | g (oz)                                     | CSA A123.23   | ASTM D4977  | 0.420 (0.00148)                               |
| Resistance to puncture:   | -  | CSA A123.23   | CSA A123.23 | Pass  |

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