

Prevent TP-HD-Cap

PrevEnt 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. During the manufacturing process, expandable graphite is added above the reinforcement to impart excellent exterior fire resistance properties. Specially formulated for excellent fire resistance, PrevEnt TP-HD-Cap is coated top and bottom with select SBS polymers and premium asphalt to a thickness of 4.0 mm (158 mils). 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 | 3.55 (140) |
| Mass Per Unit Area: | kg/m ² (lb/100ft ²) | CSA A123.23 | ASTM D5147 | 5.99 (123) |
| Back Surface Coating Thickness: | mm (mils) | CSA A123.23 | ASTM D5147 | 1.93 (76.0) |
| Strain Energy, @ 23 °C MD/XD: | | | | |
| Before heat conditioning | kN/m (lbf/in) | CSA A123.23 | ASTM D5147 | 28.3/21.9 (162/125) |
| After heat conditioning | | | | 24.7/19.5 (141/111) |
| Strain Energy, @ -18 °C MD/XD: | | | | |
| Before heat conditioning | kN/m (lbf/in) | CSA A123.23 | ASTM D5147 | 28.1/20.6 (160/118) |
| After heat conditioning | | | | 27.4/24.1 (156/138) |
| Peak Load, @ 23 °C MD/XD: | | | | |
| Before heat conditioning | kN/m (lbf/in) | CSA A123.23 | ASTM D5147 | 20.1/14.9 (115/85.0) |
| After heat conditioning | | | | 18.4/14.8 (105/84.3) |
| Peak Load, @ -18 °C MD/XD: | | | | |
| Before heat conditioning | kN/m (lbf/in) | CSA A123.23 | ASTM D5147 | 27.1/20.9 (154/119) |
| After heat conditioning | | | | 26.2/24.0 (150/137) |
| Elongation @ Peak Load @ 23 °C MD/XD: | | | | |
| Before heat conditioning | % | CSA A123.23 | ASTM D5147 | 56.7/56.7 |
| After heat conditioning | | | | 52.3/50.0 |
| Elongation @ Peak Load @ -18 °C MD/XD: | | | | |
| Before heat conditioning | % | CSA A123.23 | ASTM D5147 | 62.5/57.0 |
| After heat conditioning | | | | 57.0/56.5 |
| Ultimate Elongation @ 23 °C MD/XD: | | | | |
| Before heat conditioning | % | CSA A123.23 | ASTM D5147 | 99.5/94.6 |
| After heat conditioning | | | | 63.4/73.8 |
| Low Temperature Flexibility MD/XD: | | | | |
| Before heat conditioning | °C | CSA A123.23 | ASTM D5147 | -18/-18 |
| After heat conditioning | | | | -18/-18 |
| Low Temperature Flexibility after UV Weathering: | °C | CSA A123.23 | ASTM D5147 | -12 |
| Dimensional Stability MD/XD: | % | CSA A123.23 | ASTM D5147 | -0.27/-0.18 |
| Compound Stability: | °C | CSA A123.23 | ASTM D5147 | 91 |
| Granular Embedment | g (oz) | CSA A123.23 | ASTM D4977 | < 2.0 (0.07) |
| Resistance to puncture: | - | CSA A123.23 | CSA A123.23 | Pass |

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