Meets or exceeds the requirements of ASTM D 6878

Features and Components

Thickness Over Scrim: Optimized and tested on a continual basis with a state-of-the-art thickness gauge to verify that the thickness valued by our customers is incorporated into the sheet.

One of the Widest Melt Windows: Promotes better welds over a wider variety of speeds and temperatures, and leads to a softer, more flexible and workable sheet.

Reinforced fabric scrim layer and top-ply thickness: Lends to durable physical properties including:
- Long-term weathering, UV resistance and heat-aging properties
- High breaking and tearing strength

Optimized TPO formulation: delivers high-performance ozone resistance, cool roof reflectivity and overall weather resistance.

System Compatibility  This product may be used as a component in the following systems. Please reference product application for specific installation methods and information.

<table>
<thead>
<tr>
<th>Multi-Ply</th>
<th>APP</th>
<th>SBS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA</td>
<td>CA</td>
<td>HW</td>
</tr>
<tr>
<td>HA</td>
<td>CA</td>
<td>HW</td>
</tr>
<tr>
<td>HA</td>
<td>CA</td>
<td>HW</td>
</tr>
</tbody>
</table>

Do not use with multi-ply systems

Key: HA = Hot Applied  CA = Cold Applied  HW = Heat Weldable  SA = Self Adhered

MF = Mechanically Fastened  IW = Induction Weld  BA = Ballasted  AD = Adhered

Energy and the Environment

<table>
<thead>
<tr>
<th>Standard</th>
<th>Reflectivity</th>
<th>Emissivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRRC®</td>
<td></td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>Initial 0.77</td>
<td>0.87</td>
</tr>
<tr>
<td>Tan</td>
<td>Initial 0.67</td>
<td>0.87</td>
</tr>
<tr>
<td>Gray</td>
<td>Initial 0.35</td>
<td>0.87</td>
</tr>
<tr>
<td>3 Yr. Aged</td>
<td>0.70</td>
<td>0.86</td>
</tr>
<tr>
<td>3 Yr. Aged</td>
<td>0.62</td>
<td>0.90</td>
</tr>
<tr>
<td>3 Yr. Aged</td>
<td>0.34</td>
<td>0.90</td>
</tr>
</tbody>
</table>

CA Title 24

<table>
<thead>
<tr>
<th>Standard</th>
<th>Reflectivity</th>
<th>Emissivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>Pass 0.77</td>
<td>0.87</td>
</tr>
<tr>
<td>Tan</td>
<td>Pass 0.62</td>
<td>0.90</td>
</tr>
<tr>
<td>Gray</td>
<td>Pass 0.34</td>
<td>0.90</td>
</tr>
<tr>
<td>3 Yr. Aged</td>
<td>0.75</td>
<td></td>
</tr>
</tbody>
</table>

LEED® (SRI)

<table>
<thead>
<tr>
<th>Standard</th>
<th>Reflectivity</th>
<th>Emissivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>Initial 95</td>
<td></td>
</tr>
<tr>
<td>Tan</td>
<td>Initial 81</td>
<td></td>
</tr>
<tr>
<td>Gray</td>
<td>Initial 39</td>
<td></td>
</tr>
<tr>
<td>3 Yr. Aged</td>
<td>85</td>
<td></td>
</tr>
<tr>
<td>3 Yr. Aged</td>
<td>75</td>
<td></td>
</tr>
<tr>
<td>3 Yr. Aged</td>
<td>37</td>
<td></td>
</tr>
</tbody>
</table>

Recycled Content

<table>
<thead>
<tr>
<th>Standard</th>
<th>Reflectivity</th>
<th>Emissivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Post-consumer</td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>Post-industrial</td>
<td>5%</td>
<td></td>
</tr>
</tbody>
</table>

The LEED® Solar Reflectance Index (SRI) is calculated per ASTM E1980.

Peak Advantage® Guarantee Information

<table>
<thead>
<tr>
<th>Product</th>
<th>Guarantee Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>JM TPO 60 mil</td>
<td>5, 10, 15, or 20 years</td>
</tr>
</tbody>
</table>

Codes and Approvals

Installation/Application

Refer to JM TPO application guides and detail drawings for instructions.

Packaging and Dimensions

<table>
<thead>
<tr>
<th>Roll Widths</th>
<th>5' (1.52 m)</th>
<th>6' (1.83 m)</th>
<th>8' (2.44 m)</th>
<th>10' (3.05 m)</th>
<th>12' (3.66 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roll Lengths</td>
<td>100' (30.48 m)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roll Coverage</td>
<td>500 ft² (46.45 m²)</td>
<td>600 ft² (55.74 m²)</td>
<td>800 ft² (74.32 m²)</td>
<td>1000 ft² (92.90 m²)</td>
<td>1200 ft² (111.5 m²)</td>
</tr>
<tr>
<td>Rolls per Pallet</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pallet Weight</td>
<td>1424 lb (645.9 kg)</td>
<td>1728 lb (783.8 kg)</td>
<td>2230 lb (1052.3 kg)</td>
<td>2856 lb (1295.5 kg)</td>
<td>3440 lb (1560.4 kg)</td>
</tr>
<tr>
<td>Pallets per Truck*</td>
<td>28-32</td>
<td>22-26</td>
<td>18-20</td>
<td>12-16</td>
<td>12-14</td>
</tr>
<tr>
<td>Producing Location</td>
<td>Scottsboro, AL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Assumes 48' flatbed truck and does not reflect pallets of accessories or impact of mixed sizes.
Meets or exceeds the requirements of ASTM D 6878

Tested Physical Properties

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th>ASTM Test Method</th>
<th>Standard for ASTM D 6878 (Min.)</th>
<th>JM TPO – 60 mil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>MD*</td>
</tr>
<tr>
<td>Strength</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Breaking Strength, min, lbf (N)</td>
<td>D 751</td>
<td>220 (976)</td>
<td>411 (1,828)</td>
</tr>
<tr>
<td>Elongation at Break, min %</td>
<td>D 751</td>
<td>15</td>
<td>27</td>
</tr>
<tr>
<td>Tearing Strength, min, lbf (N)</td>
<td>D 751</td>
<td>45 (200)</td>
<td>92 (409)</td>
</tr>
<tr>
<td>Factory Seam Strength, min, lbf (N)</td>
<td>D 751</td>
<td>86 (290)</td>
<td>112 (498)</td>
</tr>
<tr>
<td>Longevity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thickness, min, in.</td>
<td>D 751</td>
<td>+/- 10% from Nominal</td>
<td>0.060 (Nominal)</td>
</tr>
<tr>
<td>Thickness Over Scrim, min, (mm)</td>
<td>D 7635</td>
<td>0.015</td>
<td>0.027 (0.686)</td>
</tr>
<tr>
<td>Water Absorption, max, %</td>
<td>D 471</td>
<td>3.0</td>
<td>0.11</td>
</tr>
<tr>
<td>Brittleness Point, max, -40°F</td>
<td>D 2137</td>
<td>No Cracks</td>
<td>Pass</td>
</tr>
<tr>
<td>Ozone Resistance</td>
<td>D 1149</td>
<td>No Cracks</td>
<td>Pass</td>
</tr>
<tr>
<td>Properties after Heat Aging @ 240°F</td>
<td>D 573</td>
<td>Pass/Fail</td>
<td>Pass</td>
</tr>
<tr>
<td>Breaking Strength, % (after aging)</td>
<td>D 751</td>
<td>90</td>
<td>&gt;90</td>
</tr>
<tr>
<td>Elongation, % (after aging)</td>
<td>D 751</td>
<td>90</td>
<td>&gt;90</td>
</tr>
<tr>
<td>Tearing Strength, % (after aging)</td>
<td>D 751</td>
<td>60</td>
<td>&gt;60</td>
</tr>
<tr>
<td>Weight Change, max, % (after aging)</td>
<td>D 751</td>
<td>±1.0</td>
<td>0.19</td>
</tr>
<tr>
<td>Linear Dimensional Change, max, % (after 6 hrs @ 158°F)</td>
<td>D 1204</td>
<td>±1.0</td>
<td>&lt;0.1</td>
</tr>
<tr>
<td>Heat Age Performance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accelerated Weathering, min</td>
<td>G 151 &amp; G 155</td>
<td>10,080 kJ/m²•nm @ 340 nm (4,000 hrs @ 0.70 W)</td>
<td>&gt;20,160 kJ/m² (&gt;8,000 hrs)</td>
</tr>
<tr>
<td>Cracking (@ 7x magnification)</td>
<td>G 155</td>
<td>No Cracks</td>
<td>Pass</td>
</tr>
</tbody>
</table>

*MD – Machine Direction **XMD – Cross-Machine Direction  Note: All data represents tested values.

Supplemental Testing

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th>ASTM Test Method</th>
<th>Standard for ASTM D 6878 (Min.)</th>
<th>JM TPO – 60 mil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Result</td>
</tr>
<tr>
<td>Dynamic Puncture</td>
<td>D 5635</td>
<td>N/A</td>
<td>Pass @ 25 Joules</td>
</tr>
<tr>
<td>Static Puncture</td>
<td>D 5902</td>
<td>N/A</td>
<td>Pass @ 44 lb (20 kg)</td>
</tr>
<tr>
<td>Impact Resistance of Bituminous Roofing Systems</td>
<td>D 3746</td>
<td>N/A</td>
<td>Pass - minor indentations</td>
</tr>
<tr>
<td>Reflectance</td>
<td>C 1549</td>
<td>N/A</td>
<td>76%</td>
</tr>
<tr>
<td>Emissance</td>
<td>C 1371</td>
<td>N/A</td>
<td>87%</td>
</tr>
<tr>
<td>SRI</td>
<td>E 1980</td>
<td>N/A</td>
<td>95</td>
</tr>
<tr>
<td>Resistance of Synthetic Polymer Material to Fungi</td>
<td>G 21</td>
<td>N/A</td>
<td>0 rating</td>
</tr>
<tr>
<td>Puncture Resistance (FTMS 101C, Method 2031)</td>
<td>N/A</td>
<td>N/A</td>
<td>371 lb (168 kg)</td>
</tr>
<tr>
<td>Moisture Vapor Transmission</td>
<td>E 96</td>
<td>N/A</td>
<td>0 g/m² per 24 hours</td>
</tr>
<tr>
<td>Hydrostatic Resistance, Mullen</td>
<td>D 751</td>
<td>N/A</td>
<td>474 PSI (3268 kPa)</td>
</tr>
<tr>
<td>Standard Test Method for Air Permeance of Building Materials</td>
<td>E 2178</td>
<td>N/A</td>
<td>Pass @ &lt;0.0005 L/(s•m²) (Pass @ &lt;0.0001 CFM/ft²)</td>
</tr>
</tbody>
</table>

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The Safety Data Sheet is available by calling (800) 922-3922 or on the web at www.jm.com/roofing. The physical and chemical properties of the product listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with the regional sales representative nearest you for current information.

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