3036 Poly-Mat

DESCRIPTION:
KARNAK 3036 Poly-Mat is a firm finish stitch bonded textile material composed of polyester fiber to form a strong reinforcing fabric with cold roofing mastics and liquid elastomerics. While the chemical and thermal properties of 3036 Poly-Mat are essentially those of polyester fiber, the product’s stitch bonded structure endows it with an extraordinary combination of physical properties.

The distinctive characteristics of 3036 Poly-Mat include high tensile strength compiled with high elongation, outstanding tear strength and toughness, high bulk and porosity, non-raveling edges, and excellent dimensional stability. This product is ideal for replacing felts and fiberglass as reinforcing mats on smooth surfaces such as BUR, modified bitumen membranes and concrete surfaces.

FEATURES, BENEFITS AND ADVANTAGES:
- High tensile strength and toughness.
- High breaking elongation.
- Excellent tear strength.
- Non-raveling.
- No fiber breakage or dusting in handling.
- Lightweight.
- Outstanding resistance to cold cracking, chemicals and solvents.
- Properties are not affected by water.
- Non-irritating to the skin.
- High resistance to splitting or cracking from thermal shock, low temperatures, freeze/thaw cycles, folding, creasing and rough handling.
- Resistance to chemicals and solvents found in asphalt, tar and cold applied systems, as well as lubricants for rooftop motors and air conditioners.
- Outstanding resistance to rot and water damage.

PHYSICAL PROPERTIES:
Weight: 2.9 oz. per square yard
Elongation: 26% ASTM D-1682
Tear Strength: (Trapezoid): 14 lbs. ASTM D-1117
Mullen Burst: 127 lbs. ASTM D-3786
Tensile Strength: 41 lbs. ASTM D-1682
3036 Poly-Mat

AVAILABILITY:
Weight: 2.9 oz. per square yard

SIZE/PACKAGE:
4” x 180’ (60 ft2 / 6.7 yd2) 9 rolls/carton
6” x 180 (90 ft2 / 10 yd2) 6 rolls/carton
9” x 180’ (135 ft2 / 15 yd2) 4 rolls/carton
12” x 180’ (180 ft2 / 20 yd2) 3 rolls/carton
18” x 180’ (270 ft2 / 30 yd2) 2 rolls/carton
40” x 180’ (5.5 square)(600 ft2 / 66.7 yd2) 1 roll/carton

TECHNICAL DATA:

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Exposure at Temp.</th>
<th>Effect on Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene</td>
<td>1,000 hrs @ 70°F</td>
<td>None</td>
</tr>
<tr>
<td>Ethyl Alcohol</td>
<td>1,000 hrs @ 70°F</td>
<td>None</td>
</tr>
<tr>
<td>Coal Tar</td>
<td>1,000 hrs @ 70°F</td>
<td>None</td>
</tr>
<tr>
<td>Gasoline (leaded)</td>
<td>1,000 hrs @ 70°F</td>
<td>None</td>
</tr>
<tr>
<td>10% Hydrochloric Acid</td>
<td>1,000 hrs @ 70°F</td>
<td>None</td>
</tr>
<tr>
<td>Saturated Sodium Chloride</td>
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</tr>
<tr>
<td>1% Sodium Carbonate</td>
<td>10 hrs @ 210°F</td>
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<tr>
<td>Ethylene Glycol</td>
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</tr>
<tr>
<td>Kerosene</td>
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<td>None</td>
</tr>
<tr>
<td>Xylene</td>
<td>10 hrs @ 200°F</td>
<td>None</td>
</tr>
</tbody>
</table>

If further information is needed, contact KARNAK Technical Services at 1-800-526-4236.