

## FABRIC

### 3036 Poly-Mat



**\*Read Safety Data Sheet before using this product.\***

**DESCRIPTION:** 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.

**USES:** 3036 Poly-Mat is used to reinforce liquid applied mastic and coatings.

#### FEATURES, BENEFITS & 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.

#### PACKAGING:

4" X 180' rolls (60 ft<sup>2</sup> / 6.7 yd<sup>2</sup>) 9 rolls/carton  
6" x 180' (90 ft<sup>2</sup> / 10 yd<sup>2</sup>) 6 rolls/carton  
9" x 180' (135 ft<sup>2</sup> / 15 yd<sup>2</sup>) 4 rolls/carton  
12" x 180' (180 ft<sup>2</sup> / 20 yd<sup>2</sup>) 3 rolls/carton  
18" x 180' (270 ft<sup>2</sup> / 30 yd<sup>2</sup>) 2 rolls/carton  
40" x 180' (5.5 square)(600 ft<sup>2</sup> / 66.7 yd<sup>2</sup>) 1 roll/carton

#### TECHNICAL DATA:

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

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

#### PHYSICAL PROPERTIES & SPECIFICATIONS

Weight:	2.9 oz. per yd <sup>2</sup>
Elongation:	26% ASTM D1682
Tear Strength (Trapezoidal):	14 lbs. ASTM D1117
Mullen Burst:	127 lbs. ASTM D3786
Tensile Strength:	41 lbs. ASTM D1682
VOC Content:	0 g/L MAX