

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

KARNAK

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AVAILABILITY:

Weight: 2.9 oz. per square yard

SIZE/PACKAGE:

4" x 180'	(60 ft ² / 6.7 yd ²)	9 rolls/carton
6" x 180	(90 ft ² / 10 yd ²)	6 rolls/carton
9" x 180'	(135 ft ² / 15 yd ²)	4 rolls/carton
12" x 180'	(180 ft ² / 20 yd ²)	3 rolls/carton
18" x 180'	(270 ft ² / 30 yd ²)	2 rolls/carton
40" x 180'	(5.5 square)(600 ft ² / 66.7 yd ²)	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 1-800-526-4236.

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