



PERFORMANCE GUIDE

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**PRODUCT: MACbond[®]
IB-1111**

Version: 1
Approval: WEJ
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PRODUCT DESCRIPTION

IB-1111 consists of a thin polyester film carrier coated on both sides with an aggressive, rubber based pressure sensitive adhesive. The product is supplied self-wound on a densified, semi-bleached kraft release liner.

IB-1111 is used extensively for the mounting and bonding of flexible magnetic materials. It can also be used to bond a variety of substrates including those that are relatively rough in surface texture. This product construction has been specially designed with a tighter than normal release in order to permit processing small cut parts without the liner removing from the adhesive prematurely.

| <u>PHYSICAL PROPERTIES</u> | <u>TYPICAL VALUES*</u> | | <u>TEST METHOD</u> |
|---|---------------------------------------|--------------|--------------------|
| | <u>Unwind</u> | <u>Liner</u> | |
| Quick Tack , lbs./sq. in. Stainless Steel | 11.0 | 10.1 | CTM - 25 |
| Peel Adhesion , lbs./in. Stainless Steel - 30 minutes | 7.9 | 10.6 | PSTC - 3 |
| Shear , Hours to Fail Stainless Steel - 1000 g/sq. in.@ 72°F. | 300+ | 300+ | PSTC - 7 |
| Tensile , lbs./in. MD | 9.5 | | ASTM D-882 |
| CD | 9.5 | | |
| Elongation , % MD | 100 | | ASTM D-882 |
| CD | 100 | | |
| Thickness , inches Carrier plus adhesive | .0046 | | |
| Temperature Range Guidelines | | | |
| Application: | Above 50°F. (10°C.) for best results. | | |
| End Use: | 0°F. to 150°F. (-18°C. to 66°C.) | | |

CHEMICAL RESISTANCE

Resistant to water, detergent and alcohol. Not recommended for use in contact with aliphatic or aromatic hydrocarbons.

SHELF LIFE

Two years when stored at 75°F. (24°C.) and 50% relative humidity or less.

** Values given are typical and are not necessarily for use in specifications. T & E values are for the carrier only. Product reinforced with 2 mil polyester during adhesion tests*

Telephone Number 800 321 0011

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