



B-540 - Technical Data Sheet

BRADY B-540: **CREPE PAPER MASKING TAPE**

TDS erhalten von:

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TDS No. B-540

Effective Date: 29.06.2011

Description:

GENERAL

Print Technology: N/A

Material Type: Tan Colored Saturated Crepe Paper

Finish: Matte

Adhesive: Removable Rubber Based Pressure Sensitive Adhesive

APPLICATIONS

Used primarily for paint masking and other applications requiring a temporary protective cover. It is particularly good for small sized masks.

REGULATORY APPROVALS

Brady B-540 is RoHS compliant to 2005/618/EC MCV amendment to RoHS Directive 2002/95/EC.

SPECIAL FEATURES

Brady B-540 has good conformability, has good resistance to heat and moisture, and removes cleanly without adhesive residue from most surfaces.

Details:

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 -Total	0.0064 inch (0.163 mm)
Adhesion to: -Stainless Steel	ASTM D 1000 20 minute dwell 24 hour dwell	41 oz/in (45 N/100 mm) 42 oz/in (46 N/100 mm)
-Textured ABS	20 minute dwell 24 hour dwell	22 oz/in (24 N/100 mm) 20 oz/in (22 N/100 mm)
-Polypropylene	20 minute dwell 24 hour dwell	37 oz/in (40 N/100 mm) 35 oz/in (38 N/100 mm)
Tack	ASTM D 2979 Polyken™ Probe Tack 1 second dwell	25.0 oz (709 g)
Tensile Strength and Elongation	ASTM D 1000 -Machine Direction	22.6 lbs/in (396 N/100 mm), 5%

B-540 samples tested for Performance Properties were applied to stainless steel and phenolic panels and allowed to dwell 24 hours at room temperature prior to testing.

PERFORMANCE PROPERTIES	TEST METHODS	TYPICAL RESULTS
Short Term High Service Temperature	2 hours at various temperatures	No visible effect to tape at 120°C; very slight discoloration at 145°C. Removed cleanly from stainless steel and phenolic without adhesive residue at 145°C.
Long Term High Service Temperature	30 days at various temperatures	No visible effect to tape at 50°C; very slight discoloration at 60°C. Some adhesive residue at temperatures greater than 60°C.
Long Term Low Service Temperature	30 days at -70°C (-94°F)	No visible effect to tape. Removed cleanly from stainless steel and phenolic without adhesive residue.

Humidity Resistance	30 days at 37°C (100°F), 95% R.H.	No visible effect to tape. Removed cleanly from stainless steel and phenolic without adhesive residue.
UV Light Resistance	ASTM G155, Cycle 1 (without water) 30 days in Q-Sun Xenon Test Chamber	Tape discolored and embrittled, and is no longer removable. B-540 is not recommended for outdoor applications.

Product testing, customer feedback, and history of similar products, support a customer performance expectation of at least two years from the date of receipt for this product as long as this product is stored in its original packaging in an environment below 80°F (27°C) and 60% RH . We are confident that our product will perform well beyond this time frame. However, it remains the responsibility of the user to assess the risk of using such product. We encourage customers to develop functional testing protocols that will qualify a product's fitness for use in their actual applications.

Trademarks:

Polyken™ is a trademark of Testing Machines Inc.
ASTM: American Society for Testing and Materials (U.S.A.)
All S.I. Units (metric) are mathematically derived from the U.S. Conventional Units.

Note:

All values shown are averages and should not be used for specification purposes.
Test data and test results contained in this document are for general information only and shall not be relied upon by Brady customers for designs and specifications, or be relied on as meeting specified performance criteria. Customers desiring to develop specifications or performance criteria for specific product applications should contact Brady for further information.

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Sollten Sie noch Fragen haben,
kontaktieren Sie uns bitte.

Wir helfen Ihnen gerne weiter.

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