

BRADY B1163 POLYETHYLENE CLING FILM

TDS No. B-1163
Effective Date: 06/11/2007

Description:

GENERAL

Material Type: Clear multi-layer polyethylene cling film (liner mounted)

APPLICATIONS

Identification and protection of delicate surfaces

REGULATORY

Brady B-1163 is RoHS compliant to 2002/95/EC.

SPECIAL FEATURES

B-1163 is simple to apply and is cleanly removable from surfaces. This material has good clarity and conformability.

B-1163 can be printed using screen process, UV-offset and UV-flexo (max 50°C) printing technologies.

Details:

PHYSICAL PROPERTIES	AVERAGE RESULTS
Thickness	ASTM D1000 -Substrate 0.0040 inch (0.10 mm) -Liner 0.0035 inch (0.09 mm) -Total 0.0075 inch (0.19 mm)
Adhesion to: -glass surface	ASTM D1000 (20 minute dwell) 0.055 oz/in minimum (0.06 N/100 mm)

PERFORMANCE PROPERTIES	AVERAGE RESULTS
Chemical resistance -unprinted film	Excellent water resistance; can be wiped clean using water and soft household detergent. Immersion not recommended in most esters, ketones, gasoline, etc.
UV Light Resistance	No appreciable yellowing after normal exposure. Good fade resistance.
Shrinkage	1 minute after separation from paper backing at 21°C (70°F) Machine direction shrinkage: -2% Transverse direction shrinkage: +1%
Optical Transparency	Transparent; hardly visible fish-eyes, flow lines or processing marks
Dimensional stability	No measurable shrinkage on applied parts
Service Temperature	-20°C to 50°C (-5°F to 122°F)
Application Temperature	Minimum +15°C (59°F)
Expected Service Life	2 years indoors, 6 months outdoors

Product testing, customer feedback, and history of similar products, support a customer performance expectation of at least **three years from the date of receipt** for this product as long as this product is stored in its original packaging in an environment 70°F/50% 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:

ASTM: American Society for Testing and Materials (U.S.A.)

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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