Technical Data Sheet

BRADY B-7586 WHITE VINYL FILM WITH A PERMANENT ADHESIVE

TDS No. B-7586
Effective Date: 24/02/2026

Description:
GENERAL
Material Type: Vinyl
Finish: Gloss white
Adhesive: Permanent acrylic

APPLICATIONS
Brady B-7586 is used for facility, safety and hazard communication identification.

REGULATORY/AGENCY APPROVALS
For information on the Weee-RoHS compliance status for a Brady Product go to one of the following websites:
In Canada: www.bradycanada.ca/weee-rohs
In Europe: www.bradyeurope.com/rohs
In Japan: www.brady.co.jp/products/labelsuse/rohs
All other regions: www.bradyid.com/weee-rohs

SPECIAL FEATURES

Details:

PHYSICAL PROPERTIES	TEST METHOD	TYPICAL RESULTS
Thickness	ASTM D1000 Total (excluding liner)	0.070 mm (0.003 inch)
Adhesion to: - Stainless Steel	ASTM D1000 20 minute dwell 24 hour dwell	 35 N/100mm (32 oz/in) 56 N/100mm (51 oz/in)
- Polypropylene	20 minute dwell	32 N/100mm (29 oz/in)
- Glass	20 minute dwell	48 N/100mm (44 oz/in)
- PVC	20 minute dwell	54 N/100mm (49 oz/in)
- Smooth ABS	20 minute dwell	63 N/100mm (58 oz/in)

Printed samples were laminated to aluminum and allowed to dwell 24 hours before exposure to the indicated environments.

PERFORMANCE PROPERTIES	TEST METHOD	TYPICAL RESULTS
Low Service Temperature	30 days at -40°C (-40°F)	No visible effect
High Service Temperature	30 days at various temperatures	70°C (158°F): No visible effect 90°C (194°F): Slight darkening
Humidity Resistance	30 days at 38°C (100°F) and 95% R.H.	No visible effect
UV Light Resistance	30 days in xenon test chamber, ASTM G155, Cycle 1 dry	30 days: no visible effect 7 months: no visible effect
Weatherability	ASTM G155, Cycle 1 - QUV	30 days: no visible effect 5 months: significant fading of printing except blue and black 7 months: severe fading of printing except

		blue and black
Abrasion resistance	Taber Abraser, CS10 grinding wheels, 250 g/arm (Fed. Std. 191A, Method 5306)	Some fading but still legible

PERFORMANCE PROPERTY	CHEMICAL RESISTANCE

Printed samples were laminated to aluminium and allowed to dwell 24 hours. The first test consisted of 30 minute immersions in the specified test fluid. After the final immersion, samples were rubbed 10 times with a cotton swab saturated with the test fluid. Test was conducted at room temperature. The second test consisted of 50 rubs with a cotton swab saturated with the test fluid at room temperature.

Chemical Reagent	Immersion without 10 rubs	Immersion with 10 rubs	50 rubs
Acetic Acid 99%	No visible effect	No visible effect	Some visible effect
Sulfuric Acid 37%	No visible effect	Some visible effect	No visible effect
Alcohol Mixture	No visible effect	Significant visible effect	No visible effect
Ethanol	No visible effect	Significant visible effect	No visible effect
Isopropanol	No visible effect	Significant visible effect	No visible effect
Sodium Hydroxide 5%	No visible effect	No visible effect	No visible effect
Distilled Water	No visible effect	No visible effect	No visible effect
Sodium Chloride 5%	No visible effect	No visible effect	No visible effect
Acetone	Complete failure	Complete failure	Some visible effect
n-Hexane	No visible effect	No visible effect	No visible effect
Iso-octane	No visible effect	No visible effect	No visible effect
Toluene	Complete failure	Complete failure	Some visible effect

Alcohol mixture: 50% Ethanol, 30% Methanol, 20% Distilled Water

Shelf Life:
Shelf life is 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. It remains the responsibility of the user to assess the risk of using this product. We encourage customers to develop testing protocols that will qualify a product's fitness for use in their actual application.

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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