

BRADY B-455 SURFACE PRINTED PVC SIGNS OVERLAMINATED WITH A CLEAR POLYESTER

TDS No. B-455
Effective Date: 28/11/2025

Description:

GENERAL

BRADY B-455 is a surface printed rigid PVC material overlaminated with a gloss clear polyester.

REGULATORY 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

BRADY B-455 signs can be used for indoor and outdoor applications.

BRADY B-455 signs have a good solvent resistance and can be used for harsh environments.

Details:

PHYSICAL PROPERTIES	TEST METHOD	AVERAGE RESULTS
Thickness	ASTM D 1000	PVC: 1.5 mm (0,06 in) Total thickness: 1,55 mm (0,061 in)

PERFORMANCE PROPERTIES	TEST METHOD	TYPICAL RESULTS
Service Temperature	30 days at -40°C (-40°F) 30 days at 60°C (140°F) 30 days at 70°C (158°F)	No visible effect No visible effect Material deforms and overlaminates wrinkles
Abrasion Resistance	Fed. Std. 191A, Method 5306 Taber Abraser, CS-10 Grinding Wheels, 250 g/arm, 500 cycles	No visible effect
Humidity Resistance	30 days at 38°C (100°F), 95 % R.H.	No visible effect
U.V. Light Resistance	30 days ASTM G155 cycle 1 dry in Xenon Test Chamber	No visible effect
Weatherability	30 days ASTM G154 cycle 1 in QUV	No visible effect

PERFORMANCE PROPERTY	CHEMICAL RESISTANCE
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Test conducted at room temperature. Testing consisted of 50 rubs with a cotton cloth soaked in the specified test fluid.

Chemical Reagent	Subjective Observation of Visual Change	
	Label Stock	
Isopropyl Alcohol	No visible effect	
Acetone	No visible effect	
Toluene	No visible effect	
Petroleum spirit 60-95%	No visible effect	
N-hexane	No visible effect	
Methyl Ethyl Ketone	No visible effect	
Ethanol 96%	No visible effect	
Diesel	No visible effect	
Sodium Chloride 10%	No visible effect	
Ammonia 25%	No visible effect	
Sulphuric acid 10%	No visible effect	

Water	No visible effect
Water + neutral soap (Extran® MA 02)	No visible effect

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.)

Extran® is a trademark of Merck KGaA

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.

Product compliance information is based upon information provided by suppliers of the raw materials used by Brady to manufacture this product or based on results of testing using recognized analytical methods performed by a third party, independent laboratory. As such, Brady makes no independent representations or warranties, express or implied, and assumes no liability in connection with the use of this information.

WARRANTY

Brady products are sold with the understanding that the buyers will test them in actual use and determine for themselves their adaptability to their intended uses. Brady warrants to the buyers that its products are free from defects in material and workmanship, but limits its obligation under this warranty to replacement of the product shown to Brady's satisfaction to have been defective at the time Brady sold it. This warranty does not extend to any persons obtaining the product from the buyers. This warranty is in lieu of any other warranty, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose, and of any other obligations or liability on Brady's part. Under no circumstances will Brady be liable for any loss, damage, expense, or consequential damages of any kind arising in connection with the use, or inability to use, Brady's products.

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