

BRADY B-7527 POLYPROPYLENE SIGNS

TDS No. B-7527
Effective Date: 05/29/2015

Description:

BRADY B-7527 is a rigid polypropylene material with a slightly textured surface.

BRADY B-7527 signs can be used for a wide variety of applications both indoors and outdoors. It is well suited for especially harsh environments and is primarily used for signs and panels.

BRADY B-7527 has very good U.V., weatherability and solvent resistance. Polypropylene is considered to be an environmentally friendly material. This material is recyclable.

The basic material is yellow or white colored. BRADY B-7527 is available in all colors of Pantone and all process colors as well.

Details:

PHYSICAL PROPERTIES	TEST METHOD	AVERAGE RESULTS
Thickness	PSTC-33	1,5 mm (0,06 in)
Tensile strength	PSTC-31	850 N/100 mm (777 oz/in)
Elongation	PSTC-31	17%
Abrasion Resistance	Method 5306 US Fed. test Taber Abraser, CS-10 Grinding Wheels, 250 g/arm (Fed. Std. 191, Method 5306)	500 Cycles

PERFORMANCE PROPERTIES	TEST METHOD	TYPICAL RESULTS
Service Temperature	Minimum Temp.	-40° C (-40° F)
	Maximum Temp (1h)	120° C (248° F)
Thermal Shock	1 hour max. Temp and 2 hours at min temp.	No visible effect
Humidity Resistance	30 days in humidity chamber 38° C (100,4° F) and 95% R.H.	No visible effect
U.V. Light Resistance	30 days in UV-Light Chamber	No visible effect
Weatherability	ASTM G-53 (30 days QUV)	No visible effect

PERFORMANCE PROPERTIES	CHEMICAL RESISTANCE
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Test conducted at room temperature. Testing consisted of 5 cycles of 10 minute immersions in the specified test fluid followed by a 30 minute recovery period. After final immersion, samples rubbed 10 times with cotton swab saturated with test fluid.

Chemical Reagent	Subjective Observation of Visual Change
	Label Stock
Isopropyl Alcohol	After rubbing ink removed
Iso-octane	No visible effect
1,1,1-Trichloroethane	After rubbing ink removed
Toluene	No visible effect
Soft soap	No visible effect
Methyl Ethyl Ketone	After rubbing ink slightly removed
Ethylacetate	After rubbing ink slightly removed
Alcoholmixture*	No visible effect
Sulphuric acid (5%)	No visible effect
Sodiumhydroxide (5%)	No visible effect
Sodiumchloride (5%)	No visible effect
Diesel	No visible effect

Unleaded gasfuel	No visible effect
Mineral Oil	No visible effect
Water	No visible effect

* Alcohol mixture: 50% Methanol, 30% Ethanol, 20% distilled water.

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:

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

PSTC: Pressure Sensitive Tape Council (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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