

BRADY B-826 VINYL FILM

TDS No. B-826
Effective Date: 02/15/2001

Description:

Brady B-826 is a computer printed, flexible vinyl film with a cold temperature applicable pressure sensitive adhesive.

Details:

Use:

Brady B-826 is used for marking bins in cold storage warehouses.

Special Properties:

Can be applied at 0°F (-18°C)

Adhesive Type:

Pressure sensitive acrylic

Substrate Type:

Vinyl film

Standard Material Colors:

White

Standard Legend Color:

Black

Thickness (PSTC-33):

Substrate: 0.004 in. (0.100mm)
Adhesive: 0.001 in. (0.025mm)
Total: 0.005 in. (0.125mm)

Tensile Strength (PSTC-31):

Break: 12 lb/in. (215 N/100mm)

Elongation (PSTC-31):

Break: 55%

Adhesive Properties:

Adhesion to Steel (PSTC-1)
15 Minute Dwell (Avg.) -- 70 oz/in. (76 N/100mm)
Tack (ASTM D 2979) (Avg.) -- 650 g (6.4 N)
Drop Shear (PSTC-7) (Avg.) -- 2 Hrs.

Abrasion Resistance (Method 5306 of U.S. Federal Test Method Std. No. 191A):

CS-10 wheels, 250 g wts.
Legend withstands up to 1000 cycles.
CS-17 wheels, 1000 g wts.
Substrate withstands up to 4500 cycles.

Gloss:

2 Gardner Units

Minimum Application Temperature:

0°F (-18°C)

Service Temperature:

-50°F to 200°F (-46°C to 93°C)

Chemical Resistance:

5% Acetic Acid

REAGENT	7 DAY IMMERSION	DIP TEST	RUB TEST
30% Sulfuric Acid	NE	NE	NE
10% Sulfuric Acid	NE	NE	NE
30% HCl	NE	NE	NE
10% HCl	NE	NE	NE
50% NaOH	F	NE	NE
10% NaOH	F	NE	NE
Methyl Ethyl Ketone	F	F	NE
Acetone	F	F	NE
1,1,1-Trichloroethane	F	F	NE
Methanol	F	F	F
IPA (Isopropanol)	F	NE	NE
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
Alconox®	NE	NE	NE
Toluene	F	NE	NE
Mineral Spirits	F	NE	NE
Glacial Acetic Acid	NE	NE	NE
F	F	F	
Diesel Fuel	F	NE	NE
Heptane	F	F	NE
10% Ammonia	NE	NE	NE
Kerosene	F	NE	NE
Water	F	F	NE
20% Sodium Carbonate	NE	NE	NE
2% Sodium Carbonate	NE	NE	NE
10% NaCl	NE	NE	NE
Bleach	NE	NE	NE

NE = No Effect

NT = Not Tested

F = Failed (affected Sample)

7 Day Immersion: Immersed in reagent for 7 days.

Dip Test: Five 10 minute dips in reagent with 30 minute recovery.

Rub Test: Rubbed sample for 1 minute with swab soaked in reagent.

Shelf Life:

2 years when stored at 70°F (21°C) and 40% to 50% R.H.

Trademarks:

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

PSTC: Pressure Sensitive Tape Council (U.S.A.)

SAE: Society of Automotive Engineers (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.

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