

P556

Date
12-2002

HIGH PERFORMANCE DEEPFREEZE POLYESTER TAPE

Description

P556 is a flexible, dimensionally stable, low temperature, pressure sensitive adhesive tape.

Material	Polyester	Temperature	-40°C / 100°C
Finishing	Gloss	Certificates	RoHS / Reach
Standard colors	White and yellow	Print technology	Thermal transfer
Adhesive	Permanent pressure sensitive acrylic	Ribbon(s)	AR-10
Special properties	Adhesive can be applied at temperatures down to -10°F (-23°C).		

Details

Facestock

Thickness (PSTC33): Total: 0.003 in. (0.076mm)
Tensile Strength (PSTC31): 35 lb/in. (611 N/100mm)
Elongation (PSTC31): 95%

Adhesive

Adhesion to Steel (PSTC1)
15 Minute Dwell (Avg.) - 25 oz/in. (27 N/100mm)
Ultimate Dwell (72 Hrs.) (Avg.) - 25 oz/in. (27 N/100mm)
Tack (ASTM D 2979) (Avg.) 750 g (7.5 N)
Drop Shear (PSTC7) (Avg.) <1 Hr.

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

CS10 wheels, 250 g wts.
The printed legend withstands up to 200 cycles.
CS17-wheels, 1000 g wts.
Substrate withstands over 1000 cycles.

Gloss:

20 Gardner Units

Minimum Application Temperature:

0°F (18°C)

Service Temperature:

40°F to 212°F (40°C to 100°C)

Average Outdoor Durability:

3 to 5 years

Chemical Resistance:/ Test results

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 30 seconds with swab soaked in reagent.

Reagent	7 Day Immersion	Dip Test	Rub Test
30% Sulfuric Acid	F	NE	NE
10% Sulfuric Acid	NE	NT	NE
30% HCl	F	NE	NE
10% HCl	F	NE	NE
50% NaOH	F	NE	NE
10% NaOH	F	NE	NE
Methyl Ethyl Ketone	F	F	F
Acetone	F	F	F
1,1,1-Trichloroethane	F	F	F
Methanol	F	NE	F
IPA (Isopropanol)	F	NE	F
ASTM #3 Oil	F	NE	NE
SAE 20 Oil	NE	NT	NE
Alconox	F	NE	NE
Toluene	F	F	F
Mineral Spirits	F	F	NE
Glacial Acetic Acid	F	NE	F
5% Acetic Acid	NE	NT	NE
Diesel Fuel	F	F	NE
Heptane	F	F	NE
Conc. Ammonia	F	NE	NE
10% Ammonia	NE	NT	NE
Kerosene	F	F	NE
Water	NE	NT	NE
20% Sodium Carbonate	F	NE	NE
2% Sodium Carbonate	NE	NT	NE
10% NaCl	NE	NT	NE
Bleach	NE	NT	NE

NE = No Effect

NT = Not Tested

F = Failed (affected Sample)

Storage

Two years under storage conditions as defined by FINAT (20-25°C; 40-50%RH)

Certificates

Reach / RoHS