



20260 First Avenue • Cleveland, OH 44130 • 800/522-6566

RESEARCH
RESEARCH
RESEARCH

SKID GUARD™ Technical Data Sheet - Rubber Based Adhesive

Description

A permanent type, rubber based, emulsion of pressure sensitive adhesive.

Thickness (PSTC-33)

2 mils +/- .2 mils

Adhesion Properties (PSTC-101)

180° Peel Adhesion (immediate) lbs/in 5.2 (+/-0.7)

180° Peel Adhesion (24Hrs dwell) lbs/in >7.0

Cohesive Properties (PSTC-107)

Shear Adhesion (1/2" x 4", 1000 gms) 24 hrs >1

Shear Adhesion (1/2" x 4", 1000 gms) 48 hrs >1

Tack Properties (PSTC-6)

Rolling Ball, inches <3"

** Test results are based on the use of non-grit coated material

Technical Data Procedures

Adhesive

Thickness

Measured in the adhesive coating process using a caliper and/or snap gauge and 1milpolyester strips. (PSTC-33)

Peel Adhesion Properties

Peel Adhesion Tests are performed using an Imada Digital Force Gauge Model No. DPS-110 mounted on an Imada Horizontal Motorized Test Stand. (1) 1" x 12" piece of the adhesive based material is positioned on a stainless steel test panel; the test panel is then mounted to a fixed position stand. All material is pulled at 180 degrees @ 12" per minute after a specified dwell time. Three (3) specimens of each material are tested with the average reported in pounds necessary to remove the adhesive bond.

180° Peel Adhesion (24Hrs dwell) lbs/in – Same procedure as Immediate above except sample is tested 24 hours after being applied to test panel.

Cohesive Properties

The samples were cut into 1" x 4" strips and laminated to the stainless steel test panels to create a 1" by 1" bond area with a 4.5 lb. roller, rolling twice in each direction. Samples are then left to dwell for 20 minutes at 72F and 50% RH before placement into the static shear stations. A 1,000 gram weight was affixed to the free edge of the samples. The average slippage shall be reported in mm at 24 hour intervals.

Tack Properties

Test performed on adhesive coated 1 mil polyester retain using a Chemsultants International Rolling Ball Test machine (PSTC-6)

** All tests are based on the use of non-grit coated material