

Safety Track® 3820

Issue Date: 6/18/2024 Version 1.2

DESCRIPTION

Jessup Gray Safety Track® Military Grade 3820 peel-and-stick has been tested and approved to meet and exceed MIL-PRF-24667C Type XI. The extra-large 36 grit particles provide additional slip resistance for marine and harsh environments. NAVSEA Approval #05S/2014-162.

APPLICATION & FEATURES

- Extreme Environments
- Durable
- Military Applications
- Construction Equipment
- Increased Traction

PROPERTIES

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	PSTC – 133 - Substrate - Pressure Sensitive Adhesive - Release Liner	0.045 inch (1.143 mm) 0.003 inch (0.075 mm) 0.006 inch (0.152 mm)
Peel Adhesion to:	PSTC – 101	
- Stainless Steel	15-minute dwell 24-hour dwell	170 oz/in (185 N/100 mm) 200 oz/in (220 N/100 mm)
- Powder coated surfaces *	15-minute dwell 24-hour dwell	60 oz/in (66 N/100 mm) 75 oz/in (82 N/100 mm)
- Polyethylene	15-minute dwell 24-hour dwell	48 oz/in (53 N/100 mm) 55 oz/in (60 N/100 mm)
Shear Adhesion to:	PSTC – 107	
- Stainless Steel	1/2" x 1/2" x 1000g	24 + hours
Tack	PSTC - 6 Rolling Ball Tack	< 6 inches
Adhesive Temperature Range		
- Application Temperature - Operating Temperature		<-3°F -23 - 600°F

* Color and lot variances of coated surfaces including paints, powder coatings, lacquers, stains, and other treatments may vary the performance of the tape and should be evaluated for the compatibility of the tape to the specific surface.

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Coefficient of Friction (Kinetic)	ASTM D1894 Dry Rubber Wet Rubber Dry Leather Wet Leather	1.1 1.0 0.8 1.2
CHEMICAL PROPERTIES	REAGENT	RECOMMENDATION
<u>Solvent Resistance</u> (Product laminated to stainless steel panel and allowed to condition for 24 hours at room temperature before testing. Sample was covered with reagent to the point that edges of product are also exposed to the reagent. The product is exposed to reagent for one hour at room temperature, then reagent is removed, and product is immediately tested for scrape resistances, delaminating, and other visual effects.)	Water 10% Saltwater Bleach Trichloroethylene 25% Sulfuric Acid 1% Sodium Hydroxide Unleaded Gasoline Diesel Fuel Hydraulic Fluid 50% Antifreeze in water MEK Mineral Spirits 99% IPA	Recommended Recommended Recommended Not Recommended Intermittent Contact Only Intermittent Contact Only Intermittent Contact Only Intermittent Contact Only Recommended Recommended Not Recommended Recommended Recommended

Note: While the data contained herein is believed to be reliable averages of the product’s properties, the data should not be used for specification purposes. Test Data and results contained in this document are for general guidance only and should not be used by customers to establish designs and specifications. Customers who desire specific performance data should contact Jessup Manufacturing Company for further recommendations.