

TenaciousTac® 4

Issue Date: 5/21/2024 Version 1.4

DESCRIPTION

Printable 3.5 mil white calendared vinyl with 4 mils of a clear high tack permanent adhesive. Adheres very well to highly textured surfaces, low surface energy plastics and powder coated metals.

APPLICATION & FEATURES

- Graphics
- Durable labels/decals
- 5 year weatherable
- Permanent bond to a wide variety of substrates
- Compatible with all ink technologies

PROPERTIES

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	PSTC – 133 - Substrate - Pressure Sensitive Adhesive - Release Liner	0.0035 inch (0.0889 mm) 0.0040 inch (0.0102 mm) 0.0070 inch (0.1778 mm)
Peel Adhesion to:	PSTC – 101	
- Stainless Steel	15-minute dwell 24-hour dwell	140 oz/in (154 N/100 mm) 150 oz/in (165 N/100 mm)
- Powder coated surfaces *	15-minute dwell 24-hour dwell	140 oz/in (154 N/100 mm) 160 oz/in (176 N/100 mm)
- Polyethylene	15-minute dwell 24-hour dwell	135 oz/in (149 N/100 mm) 140 oz/in (154 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	<5 inches
Temperature Range		
- Application Temperature		>40°F
- Operating Temperature		-20 - 200°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
Compatible Inks	All Ink Technologies	
CHEMICAL PROPERTIES	REAGENT	RECOMMENDATION
<p><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.)</p>	Water 10% Saltwater Bleach Ammonia 25% Sulfuric Acid Detergent All Purpose Cleaner 99% IPA Glass cleaner Disinfectant	Recommended Recommended Recommended Recommended Intermittent Contact Only Recommended Recommended 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.