TenaciousTac® 1CR-50

Issue Date: 11/25/2025 Version 1.1

DESCRIPTION

Printable 3.5 mil white calendared vinyl with 1 mil of a chemically resistant, permanent acrylic adhesive and a smooth 50# bleached SCK liner.

APPLICATION & FEATURES

- Graphics
- Durable labels/decals
- 5 year weatherable
- Excellent adhesion to LSE surfaces
- 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) 0.0010 inch (0.0254 mm) 0.0030 inch (0.0762 mm)
Peel Adhesion to: - Stainless Steel - Powder coated surfaces * - Polyethylene	PSTC – 101 15-minute dwell 24-hour dwell 15-minute dwell 24-hour dwell 15-minute dwell 24-hour dwell	 80 oz/in (88 N/100 mm) 95 oz/in (104 N/100 mm) 75 oz/in (82 N/100 mm) 80 oz/in (88 N/100 mm) 50 oz/in (55 N/100 mm) 50 oz/in (55 N/100 mm)
Shear Adhesion to: - Stainless Steel	PSTC – 107 1/2” x 1/2” x 1000g	 < 5 Hours
Tack	PSTC - 6 Rolling Ball Tack	10+ inches
Adhesive Temperature Range - Application Temperature - Operating Temperature		 >7°F -13 - 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**
Solvent Resistance (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 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.

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