

TenaciousTac™ 4

Issue Date: 5/18/2020 Version 1.2

DESCRIPTION

TenaciousTac™ 4 is a printable 3 mil white vinyl with a 4 mil high tack permanent adhesive.

APPLICATION

TenaciousTac™ 4 is designed to be used for the toughest challenges in permanent graphics and durable labels. It works great on highly textured surfaces, low surface energy plastics and powder coated metals.

PROPERTIES

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	PSTC - 133 - Substrate - Pressure Sensitive adhesive - Release Liner	0.003 inch (0.076 mm) 0.004 inch (0.102 mm) 0.007 inch (0.178 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	 140 oz/in (154 N/100 mm) 150 oz/in (165 N/100 mm) 140 oz/in (154 N/100 mm) 160 oz/in (176 N/100 mm) 135 oz/in (149 N/100 mm) 140 oz/in (154 N/100 mm)
Shear Adhesion to: - Stainless Steel	PSTC – 107 1/2” x 1/2” x 1000g	 24+ hours
Tack	PSTC - 6 Rolling Ball Tack	> 5 inches

* 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.



CHEMICAL PROPERTIES	REAGENT	RECOMMENDATION
Service Temperature High	7 days at 150 °F	No visible effects, minor shrinkage
Low	7 days at -20°F	No visible effects
<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% Salt Water Bleach Trichloroethylene 25% Sulfuric Acid 1% Sodium Hydroxide Unleaded Gasoline 50% Antifreeze in water MEK Mineral Spirits 99% IPA	Recommended Recommended Intermittent Contact Only Not Recommended Not Recommended Not Recommended Intermittent Contact Only Recommended Not Recommended Not Recommended Not 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. Jessup Manufacturing Company cannot guarantee colors due to the variation in ink lots, manufacturing processes, etc. Sample colors may also vary as the samples may be shipped from different bundles or lots. Customers who desire specific performance data should contact Jessup Manufacturing Company for further recommendations.

WARRANTY

Jessup Manufacturing Company products are warranted to be free of defects in material and manufacture at the time of shipment and to meet the specifications stated in the Technical Specifications Sheets. Jessup Manufacturing Company will replace or refund the price of any Jessup Manufacturing Company materials found not to meet our product specifications. In no case shall Jessup Manufacturing Company be liable for any direct, indirect, or consequential damages; including labor or non- Jessup Manufacturing Company materials charges.

**The determination of the suitability of this product for any specific use is solely the responsibility of the user. No representations, guarantees or warranties of any kind are made to the accuracy or suitability for specific applications.