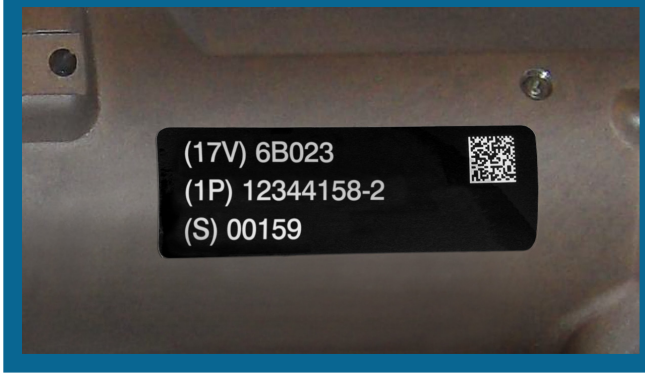
CAMCODE®
Durable Bar Code Solutions

www.camcode.com

Product: tesa® Secure™ UID Labels

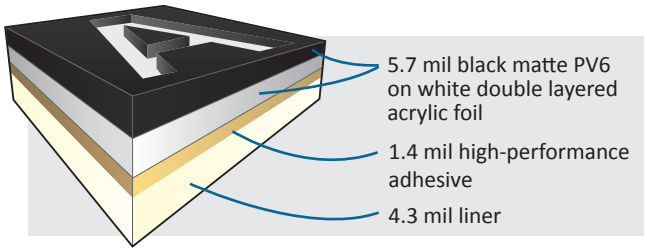


Product Features

- Standard tamper-evident design.
- UV resistance and durable in harsh conditions to 5+ years.
- Highly readable white graphics on black background.
- All Camcode **UID labels** are verified to the required print quality standards. Registration service is also available.

Have a Specification for Poly-Acrylic or tesa Brand UID Labels?

Description



tesa® Secure™ UID Labels offer good durability in many conditions. The strong yet flexible tesa Secure 6973 black matte PV6 material features UV resistance, tamper-proof design and a high strength permanent adhesive. Labels hold strong in temperature ranges from -58°F to +392°F. A standard tamper-evident design prevents the label from being removed in one piece once it is applied. tesa Secure UID labels have good resistance to abrasion, grease, oils and many other chemicals. Expected exterior life is five years.

Product Specifications

Material	tesa Secure 6973 black matte PV6 material; double layered acrylic foil, polymerized by electron beam.
Adhesive	Resin modified, high-performance acrylic.
Label Copy	Several font types are available, as well as logos or other design elements.
Symbologies	All common symbologies available including code 3 of 9, I2 of 5, 128 and Data matrix.
Colors	White graphics on black background.
Standard Sizes	Several standard and custom sizes available.
Packaging	Shipped in sequential order, in rolls, in boxes. 100% no missing numbers.
Shipment	15 working days from receipt of order and approval of artwork. Expedited shipment is available for an additional charge.

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tesa Secure UID Labels
Durability Characteristics

Product Data	Value	Test Method
Physical Properties		
Thickness	145 µm Adhesive: 35 g/m^2 Liner: 110 g/m^2	Without backing, including adhesive.
Adhesion	3.3 N/cm	Measured indirectly.
Adhesion to:		
Steel and Aluminum	30 N / 25 mm	Due to the brittle nature of the material, adhesion can only be measured indirectly. In some cases, the adhesion depends on the nature of the surface. The indicated adhesive values are for orientation only and intended as application aids.
Polypropylene	10 N / 25 mm	
Polyethylene	14 N / 25 mm	
Polycarbonate	25 N / 25 mm	
ABS and Polyvinyl Chloride	28 N / 25 mm	
Temperature Resistance	-50°C to 200°C / -58°F to 392°F Long Term: 250°C / 482°F Short Term: 270°C / 518°F	Stuck to aluminum. 48 hours without visible changes. 15 minutes without visible changes.
Weather Resistance	No changes.	As per DIN 53387, 2000 h / corresponding to approx. 4-5 years.
Climatic Resistance	No changes.	DIN 50017 SWF and DIN 50016 SWF 2,0S
Salt Spray Resistance	No changes.	As per SS DIN 50021, 240 h / 5% concentration, 35°C, 95°F
Abrasion Resistance	No changes.	Crockmeter test at 200 strokes Tabor/Abraser CS 10.5 N/Pad at 300 strokes.
Chemical Resistance		
Distilled Water	65°C/149°F, 300 hours	
95% Relative Humidity	38°C/100°F, 168 hours	
SAE 20 Engine Oil	23°C/73°F, 250 hours	
Test Petrol 60/95	23°C/73°F, 0.5 hours	
Caustic Soda	10%, 200 hours	
Sulphuric Acid	30%, 300 hours	
Transformer Oil	23°C/73°F, 250 hours	
Corrosion Properties	Neither adhesive nor carrier corrosive.	As per VDE 0340, T.2; ICE 454.2 or ASTM D1000
UL/CSA Listing	MH18055/113693 L000	

Note: Users must test products in the specific environment anticipated.
Camcode does not warrant performance of its materials in any environment.

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