LABELS & PLATES

Polyacrylic Labels - Tesa® 6973 PV6

Tesa® 6973 PV6 label stock is a flexible, durable, and economical 2-layer polyacrylic film designed for producing laser-cut and etched linear and IUID 2D Data Matrix labels. Offering excellent adhesion to LSE plastics, Tesa 6973 PV6 is halogen-free and highly resistant to a broad range of chemicals, temperature extremes, abrasion, grease and oils. Application is simple and easy – just peel and stick. No need for rivets or screws. It's brittle face material helps prevent forgery and is indestructible on many surfaces. Tesa 6973 PV6 is a proven, MIL-STD-130 compliant label stock you can rely on for outstanding long-term performance in multiple marking applications.

The black top layer is bonded to a white base layer to form a strong homogeneous unit. A modified acrylic adhesive provides excellent grip, even on low-energy surfaces such as polypropylene.

KEY ADVANTAGES

The cast modified polyacrylate facestock of Tesa 6973 PV6 has a matte surface that can be marked with a CO_2 or YaG laser, and is available in custom sizes and shapes. Here's what you get:

- Long-term durability
- Excellent abrasion, temperature, chemical and environmental resistance
- High-resolution, high-contrast label images
- Good printability and excellent barcode readability
- Permanent adhesion to LSE plastics, oily metals, powder coatings and textured surfaces

INDUSTRIES AND APPLICATIONS

Tesa 6973 PV6 produces labels with IUID 2D Data Matrix symbologies successfully used by the military as well as general industry. In some applications, it is suitable for tamper-evident identification.

INDUSTRIAL

- Automotive
- Consumer Goods
- Converter Solutions
- Electronics
- Medical
- Packaging
- Specialty Vehicle
- Transportation

MILITARY

- Engine Compartments
- Fuel Transport Modules
- Marine
- Military Vehicles
- Outdoor Equipment
- Small Arms
- Weapons Systems

MATERIAL SPECIFICATIONS

Physical Properties	
Color	Black glossy with white paint
Thickness Carrier without backing or adhesive	145 µm
Adhesive Resin-modified, high-performance acrylic	35 g/m²
Liner Compressed paper, double-sided, plastic coated, dimensionally stable	110 g/m2
Temperature Range	- 58° F to 392° F
Adhesion*	3.3 N/cm
Steel	30 N / 25 mm
Aluminum	30 N / 25 mm
Polypropylene	30 N / 25 mm
Polyethylene	30 N / 25 mm
Polycarbonate	30 N / 25 mm
ABS	30 N / 25 mm
PVC	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.*

Environmental Performance	Conditions	Result
Weather Resistance	DIN 53387, 2000 hrs, corresponding to approx. 4-5 yrs.	No change
Climatic Resistance	DIN 50017 SWF and DIN 50016 SWF 2, OS	No change
Salt Spray Resistance	SS DIN 50021, 240 hrs, 5% concentration, 35°C (95°F)	No change
Abrasion Resistance	Crockometer test: 200 strokes	No change
	Taber/Abraser: CS 10.5 N/pad, 300 strokes	No change
Chemical Resistance		
Distilled water	65°C (149°F), 300 hrs	No change
95% relative humidity	38°C (100°F), 168 hrs	No change
SAE 20 motor oil	23°C (73°F), 250 hrs	No change
Test petrol 60/95	23°C (73°F), 0.5 hrs	No change
Caustic soda	10%, 200 hrs	No change
Sulphuric acid	30%, 300 hrs	No change
Transformer oil	23°C (73°F), 250 hrs	No change

All technical information and recommendations are believed to be accurate but do not guarantee or warranty. Suitability is the responsibility of the user.

WE'RE ON IT

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