



TT-18

Self-laminating Cable Labels

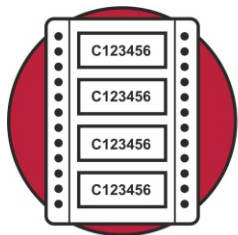
Material is RoHS compliant (European Union directive 2202/95/EC. Material is a self-extinguishing, top coated vinyl film with a pressure sensitive adhesive. This material is used in TT-18 self-laminating format for wire/cable marking.

Product

Properties	Description
Adhesive	Acrylic based pressure sensitive adhesive.
Standard Colours	Translucent film with white print-on area
Thickness	4.25 +/- 0.45 mils (substrate and adhesive)
Service Temperature Range	-40°C to 66°C
Minimum application Temperature	4.4°C

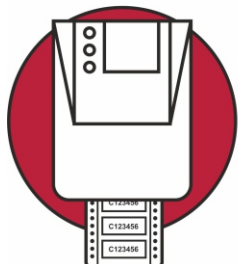
Adhesion

Properties	Test Method	Typical Value
Peel adhesion to stainless steel	PSTC-101, 15 min dwell PSTC-101, 24 hours dwell	907g/25.4mm width 1275g/25.4mm width
Shear adhesion	PSTC-107, Procedure A	24+ hours
Tensile Strength	ASTM D8882 PSTC-131	MD 3200 psi minimum 4.54kg/25.4mm width min.
Elongation	ASTM D8882 PSTC-131	MD 150% minimum 150% minimum
Elevated temperature exposure	After 8 hours at 65.5 C	No deterioration of substrate
Dielectric strength	ASTM D-149-97, method A	1900Volts/MIL
Flammability	ASTM D1000	Average burn time 10 secs
UV resistance	ASTM G154 3000 hours	No Change



Pre-Print

Send us your label information and we will print the product and deliver to site ready to go.



Print-on-Site

For convenience we will supply the printer, software and training to site to print the labels yourself.

Technical Datasheet



Standard Colours

Transparent and white
Other colours upon request.

Material

Acrylic based pressure sensitive adhesive.

Operating temperature

-40°C to 66°C

Minimum application temperature

4.4°C

Standard

UI996 : MH14979

cUL : C22.2 No. 0.15-01:MH14979

Printing method

Thermal transfer

Storage

Store in original packaging
Recommended storage environment
21°C and 50% relative humidity.

Packaging

Supplied on printer ready reels.

Inner cores are sized to allow
loading inside most printers.

Edge perforations as standard to
allow easy removal of markers.



CSI Manufacturing Limited

Unit 5 Redcow Interchange Estate,
Turnpike Road, Ballymount,
Dublin 22 FP22

Tel: 01 464 1488
Email: sales@csionline.ie
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Chemical Resistance

Samples were thermal transfer printed. These samples were wrapped around a 25mm OD wire in self-laminating format. The test was conducted at room temperature after 24 hour dwell. The samples were immersed in the specified chemical reagents for 5 immersions using the following cycle: a 10 minute immersion time followed by 30 minute recovery time.

Chemical Reagent	Visual Observation	
	Substrate / Adhesive	Thermal Transfer Print
Distilled Water	No Effect	No Effect
Mineral Spirits	No Effect	No Effect
ASTM #3 Oil	Slight adhesive bleed	No Effect
Isopropyl Alcohol	No Effect	No Effect
Methanol	No Effect	No Effect
3% Alconox Detergent	No Effect	No Effect
10% Sodium Hydroxide Solution	No Effect	No Effect
10% Sulfuric Acid Solution	No Effect	No Effect
5% Sodium Chloride Solution	No Effect	No Effect
Freon TF	No Effect	No Effect
Super Agitene	No Effect	No Effect
Jet-a Fuel	Slight adhesive bleed	No Effect
Arco TruSlide 68	No Effect	No Effect
SAE 30 Motor Oil	No Effect	No Effect
Ethanol	No Effect	No Effect
Bleach	No Effect	No Effect
Gasoline	Adhesive bleed	No Effect
Ethylene Glycol	No Effect	No Effect

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