

# A343

## TWIST LABEL

RoHS

### Description

This specification is intended to outline the physical and chemical properties of this pressure sensitive self-laminating clear polymer label that can be rotated and repositioned after installation.

<b>Material</b>	Top coated polymer film with a pressure sensitive adhesive and is used in a self-laminating format for wire/cable marking.
<b>Print method</b>	Thermal transfer
<b>Color</b>	Clear film with colored print-on area

### Physical data

<b>Thickness</b>	V*C - 4.5 +/- 0.5 mils (substrate and adhesive) V*T 5.50 +/- 0.5 mils (substrate and adhesive)
<b>Service temperature range</b>	-40°F to 150°F (-40°C to 65.6°C)
<b>Minimum application temperature</b>	50°F (10°C)

Properties	Performance
Peel adhesion to stainless steel	32 oz/in width minimum (PSTC-101, 15 min. dwell)
Shear adhesion	3 hours minimum (PSTC-107, Procedure A)
Tensile strength	MD 55 +/- 5.5 lbs./inch width (PSTC-131)
Elongation	MD 110% +/- 10% (PSTC-131)
UV resistance	*3000 hours no change observed (ASTM G154)
Elevated Temperature Exposure	After 8 hours at 150°F (65.5°C) there was no deterioration of the substrate

\*3000 hours equates to 5 years of assimilated outdoor UV exposure.

### Chemical / Solvent resistance

Chemical reagent	Visual observation	
	Substrate / Adhesive	Thermal transfer
Distilled water	No effect	No effect
Mineral spirits	No effect	No effect
ASTM #3 oil	No effect	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	No effect	No effect
Arco TruSlide 68	No effect	No effect
SAE 30 Motor oil	No effect	No effect

### Storage

Store at 70°F (21°C) and 50% Relative Humidity. Should not be stored in direct sunlight, or temperatures exceeding 95°F.

### Compiances

Material is RoHS compliant (European Union directive 2002/95/EC).

### Disclaimer

Values shown in this document are averages only. For legal reasons, we emphasize that the information on this data is available as is and that Altec gives no guarantees with respect to the accuracy and completeness nor with respect to interpretations made on the basis of this information.