

Technical Data Sheet**Panduit SLCT Film**

This specification is intended to outline the physical and chemical properties of *PANDUIT*'s SLCT tag material and include the following part numbers and printable material identifiers:

Part Number Prefixes		

Printable Material Suffixes		
SLCT-*		

PRODUCT SPECIFICATIONS:

Description:	Material is RoHS compliant (European Union directive 2002/95/EC). SLCT is a self-laminating outdoor tag. The self-laminating portion is a clear polyester film with adhesive while the semi-rigid portion is vinyl.
Adhesive:	Acrylic based, pressure sensitive adhesive.
Standard Colors:	White, yellow, orange, gray and brown
Thickness:	12.0 +/- 0.5 mils (substrate and adhesive)
Service Temperature Range:	0°F to 176°F (Minus 18°C to 80°C)
Storage Conditions:	Store at 70°F (21°C) and 50% Relative Humidity.

PROPERTIES:**PERFORMANCE:**

Tensile Strength:	MD: 30 +/- 3.0 lbs./inch width (PSTC-131)
Elongation:	MD: 160% +/- 30% (PSTC-131)
Cold Weather Resistance:	0°F for 168 hours resulted in no change in material. No delamination, edge curling or loss of color/legibility was observed.
Heat Resistance:	176°F for 168 hours resulted in acceptable condition of material. No delamination or loss of legibility was observed. Slight curling of the edges was observed.

CHEMICAL/SOLVENT RESISTANCE:

Test was performed as per ASTM D-896-04 and was conducted at room temperature. After 24 hours dwell time the samples were immersed in the specified chemical reagents for 5 immersions using the following cycle: a 10 minute immersion time followed by a 30 minute recovery time. Performances of the samples were determined visually by subjective observation of any change.

Technical Data Sheet

Chemical Reagent	Visual Observation
Ammonia (28%)	No change
Caustic Soda (10%)	No change
Caustic Soda (50%)	No change
Detergent (Tide 50%)	No change
Bleach (Chlorox)	No change
ASTM#3 Oil	No change
Unleaded Gasoline	No change
Spindle Oil (Sunex 139)	No change
WD 40 Oil	No change
Hydraulic Fluid	No change
SAE 30 Motor oil	No change
Creosote	No change
Hydrochloric acid (37%)	No change
Phosphoric acid (86%)	No change
Sulfuric acid (10%)	No change
Nitric acid (5%)	No change
Water	No change
Salt water	No change
Alcohol (Methanol)	No change
Xylene	Slight delamination of the overlaminant
Mineral Spirits	No change
Hexane	No change
Methyl Ethyl Ketone	Disintegration of the material
1,1,1 Trichloroethane	No change
Freon TF	No change

PSTC: Pressure Sensitive Tape Council (U.S.A)

ASTM: American Society for Testing and Materials (U.S.A)

Technical Data Sheet

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