

Cast Translucent Film

STYLETECH™ 2 MIL CAST TRANSLUCENT FILM

Tape Technologies V70000 Series Translucent Films are durable and dimensionally stable. They are designed for use on window graphic applications and on internally illuminated signs. They have uniform color in both reflected and transmitted light and have low gloss to eliminate glare from the sun. These films are intended for application to butyrate, polycarbonate, fiberglass, flat acrylic and glass substrates. They can be applied to either the interior or exterior surface of any of these substrates. Flexible sign faces vary and must be tested by customer. Our translucent films have optimal cutting, weeding, lifting and transfer properties when used with all automated vinyl letter cutting machines.

PERFORMANCE

When properly processed and exposed vertically, five to seven year performance may be expected. All performance statements are based upon field experience and exposure tests. Performance will be affected by substrate selection and preparation, exposure conditions and maintenance of the markings. In the case of south facing signs in areas of long, high temperature and maximum sunny days, such as the Southeastern area of the U.S., exterior performance will be decreased.

SHELF LIFE

Films have a shelf life of one year. Films and markings must be stored in a clean environment, free from direct sunlight, excessive moisture with temperatures of 100° or less. Minimum application temperature 60° (16°C).

TERMS AND CONDITIONS

The following is made in lieu of all warranties: Since types and conditions of applications vary dramatically, the company's liability at no time will exceed replacement value of a product. Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or indirect, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use and user assumes all risk and liability whatsoever in connection therewith. Statements or recommendations not contained herein shall have no force or effect unless in an agreement signed by officers of seller and manufacturer.

Cast Translucent Film Specifications

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TYPICAL VALUES

PROPERTY	TEST METHOD	Results	
		ENGLISH	METRIC
Thickness Film	Micrometer	.02 ± 10%	.050mm ± 10%
Thickness Adhesive	Micrometer	.001-.0012	.026mm-.032mm
Tensile Strength	Instron Tensil Tester - jaw separation 2 in. and a speed of 12 in. per min.	5 lb/in. minimum 73°F	.9 kg/cm minimum 23°C
Elongation	Instron Tensil Tester (as above)	100% at 73°F	100% minimum

For all properties given below, film was applied to an acrylic substrate at 73°F (23°C) 24 hours before testing.

PROPERTY	TEST METHOD	Results	
		ENGLISH	METRIC
Temperature Range	Good adhesion and minimal staining when exposed to any temperature within range specified.	-20°F to +175°F	-29°C to 80°C
Adhesion	180° pullback at 12" (30.5cm) per minute	4.0 lb/in.	0.7 kg/cm

CHEMICAL RESISTANCE

Unless otherwise specified, the film was applied to an acrylic substrate at 73°F, 23°C, 24 hours before testing. The samples are immersed in the noted chemical agent at 73°F, 23°C, and after testing are wiped clean.

Chemical Agent	Exposure Time	Results
Water	24 hours	No effect
Mild soap and water	24 hours	No effect
20% Isopropyl Alcohol/80% water	10 minutes	No effect 10%
Hydrochloric Acid	10 minutes	No effect
10% Ammonium Hydroxide	10 minutes	No effect

Cast Film - Material Safety Data Sheet

2 MIL Cast High Performance Film

Manufacturer:

TAPE TECHNOLOGIES, INC.
1272 Harbor Rd. (P.O. Box 56)
Green Cove Springs, FL 32043

Product Description: A 2 Mil colored film with a permanent adhesive on a paper release liner.

Preparation Date: July 1, 1998

Section I - Hazardous Ingredients:

- Hazardous Components (Identify: Common Names) - None

Section II - Physical/Chemical Characteristics:

- Boiling point - N/A
- Melting point - 350 degrees
- Vapor pressure (mm Hg) - N/A
- Evaporation rate - N/A
- Solubility in water - None
- Appearance and Odor - Colored transparent plastic film, slight plastic odor

Section III - Fire and Explosion Hazard Data:

- Flash Point - None
- Extinguishing Media - N/A
- Special Fire Fighting Procedures - None
- Unusual Fire and Explosion Hazards - None

Section IV - Reactivity Data:

- Stability - Stable
- Incompatibility (Materials to Avoid) - None
- Hazardous Decomposition or Byproducts - None
- Hazardous Polymerization - Will not occur
- Conditions to Avoid - None known

Section V - Health Hazard Data:

- Hazard Rating - NONE (Pressure sensitive vinyl sheeting is considered an "article" as defined by OSHA's standard. The requirements of OSHA's standard do not apply to this article. As articles, these products are considered to be non-hazardous and exempt from Material Safety Data Sheet (MSDS) provisions.)
- Route(s) of entry - None
- Health Hazards (acute or chronic) - None
- Eyes - None
- Skin - N/A
- Inhalation - N/A
- Ingestion - N/A
- Skin Absorption - N/A
- Carcinogenicity - NTP? No
- OSHA Regulated? No
- IARC Monographs? No
- Signs and Symptoms of Exposure - None
- Medical Conditions Generally Aggravated by exposure - None
- Emergency First Aid Procedures -
 - Eyes - N/A
 - Skin - N/A
 - Inhalation - N/A
 - Ingestion - N/A

Section VI - Precautions for Safe Handling and Use:

- Steps to be taken in case material is released or spilled - N/A
- Waste Disposal Method - None
- Precautions to be taken in handling and storing - None
- Other Precautions - None

Section VII - Control Measures:

- Respiratory Protection (Specify type) - N/A
- Ventilation - None
- Protective Gloves - N/A
- Eye Protection - N/A
- Other protective clothing or equipment - None
- Work/Hygienic practices - None