



# Venture Tape

30 Commerce Road  
Rockland, MA 02370-0384

9/29/2008

781-871-1400  
Fax: 781-871-0065

## 644

### 4 MIL (100 micron) UNSUPPORTED TRANSFER FILM

**DESCRIPTION:** A 4 mil (100 micron) unsupported acrylic pressure sensitive transfer adhesive. Product #644 exhibits excellent adhesion to a wide variety of surfaces such as metals, both ferrous and non-ferrous, natural and synthetic rubbers, polyesters, etc. The adhesive exhibits an excellent balance of quick stick and superior shear properties as well as having good cold flow characteristics.

**APPLICATIONS:** Primarily used as a bonding medium for metal and plastic nameplates. Also as a laminating adhesive used for bonding rubber and photopolymer plates to offset printing blankets, or rigid mounting materials.

#### TECHNICAL DATA

	<u>IMPERIAL</u>	<u>Metric</u>
<b>Thickness:</b>	4.0 mils (0.004")	0.102 mm
<b>Adhesion:</b>		
<b>Peel (PSTC #1)</b>		
<b>Stainless Steel:</b>	82 oz/inch width	23.2 N/2.5 cm
<b>Natural Rubbers:</b>	57 oz/inch width	16.1 N/2.5 cm
<b>Synthetic Rubbers:</b>	55 oz/inch width	15.6 N/2.5 cm
<b>Photopolymers:</b>	68 oz/inch width	19.2 N/2.5 cm
<b>Shear (PSTC #7) Indefinite @</b>	2.2 psi	15.2 kPa
<b>High Temperature</b>		
<b>Resistance:</b>	325°F	163°C
<b>Minimum Application</b>		
<b>Temperature:</b>	32°F	0°C
<b>Low Environmental</b>		
<b>Resistance:</b>	-25°F	-31.7°C
<b>Release Liner:</b>	74 lb. moisture stable Silicone coated paper	120 GSM

#### IMPORTANT INFORMATION:

The information cited is in good faith and has been established from sources held to be secure and reliable. The values listed are typical properties and are not intended to be used as specifications for defined applications. User must determine the product suitability for the end use application and assume all risks and liabilities. 12/11/97



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