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## Product Description Sheet

# Hysol® Product 1X

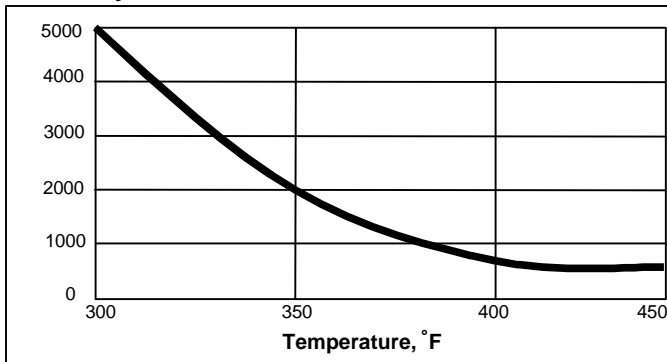
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### Description

Loctite® Hysol® 1X hot melt is an EVA-based, medium to fast setting adhesive which is recommended for porous substrates such as: paper, wood, fabric, non-wovens, and foam.

| Typical Properties                  | Typical Value |
|-------------------------------------|---------------|
| Softening Point, °F, ASTM E 28-67   | 216           |
| Viscosity @ 350°F, cP, ASTM D 3236  | 2000          |
| Open Time, seconds                  | 15            |
| Heat resistance, °F, ASTM D 4498    | 150           |
| Specific Gravity @ 77°F, ASTM D 792 | 0.96          |
| Tensile Strength, psi, ASTM D 638   | 370           |
| Elongation, %, ASTM D 638           | 90            |
| Tg, °F ASTM E 1640                  | -21           |

### Viscosity Curve



| Electrical Properties                 | Typical Value        |
|---------------------------------------|----------------------|
| Dielectric Strength, ASTM D149, V/mil | >1300                |
| Dielectric Constant, MIL 1-16923, K   | 2.6                  |
| Dissipation Factor, ASTM D 150        | 0.005                |
| Volume Resistivity, ASTM D 257        | $2.3 \times 10^{15}$ |
| Surface Resistivity, ASTM D 257       | $1.1 \times 10^{16}$ |

### GENERAL INFORMATION

**This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.**

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

### Precautions

Once melted, like any hot liquid, this adhesive can produce severe burns. Care should be taken to avoid getting hot adhesive on the skin. If skin contact occurs, flush the affected area with large amounts of cold water.

### Application

Please read the operating instructions for the Hysol Hot Melt Applicator being used. Allow the applicator 5 - 10 minutes to reach operating temperature before applying the adhesive. Squeeze the trigger to dispense hot melt to one of the parts to be bonded. For best results, press the parts as soon as possible; within the hot melt's open time. After use, unplug the applicator and squeeze trigger twice to advance any semi-molten adhesive into the melt chamber. This helps for quick start-up when the applicator is used next. Always use gloves when using the applicator. Loctite offers a complete line of reliable, portable, hand held applicators designed to accurately dispense all shaped hot melt formulations.

### FDA Status

Ingredients in this product are listed under Food and Drug Administration CFR 175.105, Adhesives.

### Availability

- Polyshot and PT shapes in 35 Lbs cartons
- 4"/10" Superstick in 25 Lbs cartons
- Maxistick in 35 Lbs cartons
- Pellets in 40 Lbs cartons

### Storage

Store product in unopened container in a cool dry location. Ideal conditions are within the range 8 to 21 degrees C (46 to 70 degrees F) and are recommended for long term storage. Exposure to higher temperatures (greater than 28 degrees C) for prolonged periods should be avoided as extended exposure to warm conditions can adversely affect product properties. For further specific shelf life information, contact your local Technical Service Center.

### Note

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