

# 3M™ Polyurethane Protective Tape 8730HT

## Technical Data Sheet

### Product Description

3M™ Polyurethane Protective Tape 8730HT (high temperature) is made from a UV stable polyurethane elastomer that resists punctures, tearing, and abrasion. 3M 8730HT Tape is specifically designed for use in elevated temperature applications. It provides a simple, easy method of protecting a surface from corrosion, erosion, and minor impact damage. It can be painted or applied over painted surfaces. The tape is constructed with a pressure sensitive acrylic adhesive that is protected with an easy release plastic liner.

### Typical Physical Properties and Performance Characteristics

**Note:** 1) The following technical information and data should be considered representative or typical only and should not be used for specification purposes. 2) ASTM = American Society for Testing and Materials. 3) Metric values are listed in parenthesis

Property	Test Method	Units	Typical Value
<b>Tensile Strength @ Break</b>	ASTM D882	lb./in. (N/100 mm)	83 (1453)
<b>Elongation % @ Break</b>	ASTM D882	%	500
<b>Peel Adhesion @ 70°F (21°C) to:</b> Bare Aluminum 2043 T3 304 Brite #7 Stainless Steel MIL-PRF-85285 Paint*	ASTM D-3330 Method A 24 hr dwell	oz./in. (N/100 mm)	100 (109) 80 (88) 110 (120)
<b>Taber Abrasion Mass Loss</b>	ASTM C50 H18, 1kg, 1000 cycles	g	0.025
<b>Hardness</b>	ASTM D2240	Shore A	80
<b>Thermal Conductivity</b>	ASTM C177	W/m•K	0.18
<b>Temperature Capability</b>	3M 8730HT Tape can be used in applications with continuous temperatures up to 250°F (121°C).		

\*Paint sanded with 320 grit sandpaper and tape applied using 3M™ Protective Tape Application Solution.

### Dimensions

<b>Approximate Applied Thickness*</b>	0.012 inch (0.30 mm) Film 0.002 inch (0.06 mm) Adhesive 0.014 inch (0.36 mm) Total thickness
<b>Standard Roll Length</b>	36 yd. (32.9 m)
<b>Available Widths</b>	Minimum 1 inch Maximum 24 inches (1.25 cm to 61 cm)
<b>Approximate Weight*</b>	0.80 lb/yd <sup>2</sup> (436 g/m <sup>2</sup> )

\*Excludes the plastic liner that is removed from the tape prior to application.

## Shipping and Storage

No special/hazardous labeling or packaging required or regulations for air, ground or water shipment for this product.

Keep film in a clean area, away from excessive moisture and out of direct sunlight. Store rolls in the shipping carton. Return partially used rolls to the shipping carton.

**Shelf life:** Two (2) years from date of manufacture

## Additional Information

In the U.S. call toll free 1-800-235-2376, or fax 1-800-435-3082 or 651-737-2171. For U.S. Military, call 1-866-556-5714. If you are outside of the U.S., please contact your nearest 3M representative.

*These products were manufacture under a 3M Quality Management System registered to the AS9100 standard*

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