

# Turbo<sup>®</sup>Tape

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**TURBO<sup>®</sup>Tape** is a self-fusing silicone rubber tape which bonds readily to itself to form a watertight, electrically insulating, protective wrap.

**TURBO<sup>®</sup>Tape** is available in triangular or rectangular cross-sections in a wide range of sizes and colors. Triangular tapes feature a raised, integral guideline or a contrasting color guideline for ease of application.

**TURBO<sup>®</sup>Tape** is recommended for use wherever moisture and/or other contaminants must be excluded from an electrical connection, coil or other device.

**TURBO<sup>®</sup>Tape** retains its flexibility and protective properties over a wide temperature range of -65°C through +260°C.

## PHYSICAL PROPERTIES

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>PERFORMANCE</u>
Operating Temperature	Continuous	-54°C to +260°C
Operating Temperature	Intermittent	-60°C to +260°C
Hardness	Shore Durometer	50A
Cold Brittle Point, Max.	ASTM-D 2137	-65°C
Tear Resistance		85 PSI
Tensile strength as received	ASTM D-412	700 PSI Min.
Tensile strength, aged 100 hr @ 500°F	ASTM D-412	75% retained
Elongation as received	ASTM D-412	300% Min.
Elongation, aged 100 hr @ 500°F	ASTM D-412	50% retained
Water Absorption	FED STD 601, METHOD 6251	3% Max. by weight

## ELECTRICAL PROPERTIES

Dielectric Strength, .010" thick	ASTM-D149	400 volts/mil
Dielectric constant, 1 KHZ		2.95
Dissipation factor, 1 KHZ		<.0004
Volume Resistivity	ASTM-D1458	3 x 10 <sup>14</sup> OHM/CM

**TURBO<sup>®</sup>Tape** meets or exceeds MIL AA-59163 Types I and II, self fusing tape.

The above data is informational only and should not be used for specification purposes. 11/01

## AVAILABLE SIZES

**TURBO<sup>®</sup>Tape** is available in a wide range of thickness and widths.

Phone: (585) 492-2212 • Fax: (800) 450-8193  
Email: [info@hilec.com](mailto:info@hilec.com) • Website: [www.hilec.com](http://www.hilec.com)