

## 3M Scotch® 70 HDT Self-Fusing Silicone Rubber Electrical Tape with Tapered Edge

Category : Polymer , Adhesive , Thermoset , Silicone , Silicone Rubber

### Material Notes:

Scotch® Silicone Rubber Electrical Tape 70 HDT is a high-temperature arc-and track-resistant tape composed of self-fusing, inorganic silicone rubber and easy-tear and easy-strip liner. The 70 HDT product also has a triangular (tapered edge) profile and blue guidelines to make half-lapping application easier. Information provided by 3M

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-Scotch-70-HDT-Self-Fusing-Silicone-Rubber-Electrical-Tape-with-Tapered-Edge.php](http://www.lookpolymers.com/polymer_3M-Scotch-70-HDT-Self-Fusing-Silicone-Rubber-Electrical-Tape-with-Tapered-Edge.php)

Physical Properties	Metric	English	Comments
Thickness	203 microns	8.00 mil	Edge
	508 microns	20.0 mil	Peak

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	6.89 MPa	999 psi	ASTM D412
Elongation at Break	300 %	300 %	ASTM D412

Electrical Properties	Metric	English	Comments
Volume Resistivity	7.00e+14 ohm-cm	7.00e+14 ohm-cm	ASTM D1458
Dielectric Constant	2.5	2.5	ASTM D150
	@Temperature 150 °C	@Temperature 302 °F	
	2.6	2.6	ASTM D150
	@Temperature 130 °C	@Temperature 266 °F	
	2.9	2.9	ASTM D150
	@Temperature 90.0 °C	@Temperature 194 °F	
	3.0	3.0	ASTM D150
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Dielectric Strength	23.6 kV/mm	600 kV/in	ASTM D2148
Dissipation Factor	0.50	0.50	ASTM D150
	@Temperature 130 °C	@Temperature 266 °F	
	0.70	0.70	ASTM D150
	@Temperature 150 °C	@Temperature 302 °F	

Electrical Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Appearance		Sky Blue Gray	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China