

## TAPE, SILICONE RUBBER, ELECTRICAL



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### 1. Scope

This standard covers the requirements for self-fusing, silicone rubber, electrical tape.  
This standard applies to Seattle City Light stock number 736512.

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### 2. Application

This product is a high-temperature, arc and track-resistant tape composed of self-fusing, inorganic silicone rubber with an easy-tear and easy-strip liner.

Silicone rubber tape is intended for the following applications:

- As an overwrap for protection of terminating high-voltage cables against arcing and tracking.
- As primary insulation where Class "H" (180°C/356°F) temperatures are encountered i.e., silicone rubber cables.
- As splice overwrap on spacer cable operating at 15 kV and above.

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### 3. Properties

Material	self-fusing, inorganic silicone rubber
Material thickness	12 mil
Cross section	rectangular
Color	sky blue gray
Temperature rating, operating	180° C (356° F)
Dielectric strength	875 V/mil
Tensile strength	12 lb/in (of width)
Shelf life (inside storage)	5 years from the date of manufacture

Silicone rubber tape shall be provided with an easy-tearing and easy-stripping polyester liner.

Silicone rubber tape shall be RoHS (European Union Directive 2002/95/EC for Restriction of Hazardous Substance) compliant.

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### 4. Testing

Test data that confirms the properties cited in the manufacturer's literature and this material standard shall be provided upon request.

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### 5. Packaging

Each roll of tape shall be individually packaged in cellophane, plastic, cardboard, or metal containers to prevent damage during shipping, storage, and casual handling prior to use.

Each roll of tape shall be legibly marked with the following information:

- Manufacturer's name
- Manufacturer's catalog number
- Product description

Number of rolls of tape per case shall be according to Section 7.

Each shipping container shall be marked with Seattle City Light's Purchase Order Number.

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### 6. Issuance

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## 7. Approved Manufacturers

Stock Number:	736512
Description:	1 inch x 30 ft roll
Manufacturer:	3M
Product:	70
ID:	80-6114-3861-7
UPC:	00-051128-57261-0
Case Quantity:	50 rolls

Silicone rubber tape shall be provided with an easy-tearing and easy-stripping polyester liner.

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## 8. References

**Shipek, John**; Standards engineer and originator of 7365.24.

**CID A-A-59163** - Insulation Tape, Electrical, Self Adhering Unsupported Silicon Rubber (Superseding MIL-I-46852C), Published 02/13/1998

**Scotch 70 Self-Fusing Silicone Rubber Electrical Tape**, Data Sheet, 2001, 78-8126-0479-7-A

**3M Electrical Products catalog**, 80-6016-0382-4, 2011

**[www.3m.com/electrical](http://www.3m.com/electrical)**