

## Tape, Glass, Cloth, Electrical



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### 1. Scope

This standard covers the requirements for glass cloth electrical tape.

This standard applies to Seattle City Light stock number 736632.

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### 2. Application

Glass cloth tape is for applications that require high mechanical strength and resistance to high temperatures. The thermosetting adhesive provides an increased bond once applied in areas of high ambient temperatures.

This tape provides insulation and solvent-resistant protection and features a non-corrosive adhesive. It is conformable, printable and flame retardant.

Glass cloth tape is used to secure non-adhesive-backed, fire-retardant, electric arc proofing tapes, such as Stock Number 736525 and 736527.

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Standards Coordinator  
John Shipek



Standards Supervisor  
John Shipek



Unit Director  
Darnell Cola



### 3. Properties (nominal)

<b>Backing Material</b>	Woven glass cloth
<b>Adhesive</b>	Thermosetting, pressure-sensitive, silicon
<b>Thickness</b>	7 mil
<b>Color</b>	white
<b>Operating Temperature rating, max</b>	200° C (392° F)
<b>Temperature class H</b>	180° C (356° F)
<b>Breaking strength</b>	180 lb/in (of width)
<b>Dielectric breakdown</b>	3000 V/mil
<b>Shelf life (inside storage)</b>	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, 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

<b>Stock Number:</b>	736632
<b>Description:</b>	1/2 inch x 66 ft roll
<b>Manufacturer:</b>	3M
<b>Product:</b>	69
<b>UPC:</b>	054007-10083
<b>Case Quantity:</b>	50 rolls

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## 8. References

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

**3M Glass Cloth Electrical Tape 69 with Silicone Pressure-Sensitive Adhesive**, Data Sheet, November 2008, 78-8111-0896-4\_C

**Shipek, John**; Standards engineer and originator of 7365.58.

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