

Tape, Varnished Polyester Glass, Fabric



1. Scope

This standard covers the requirements for varnished polyester glass fabric tape. This standard applies to Seattle City Light (SCL) Stock No. 735283.

2. Application

Varnished polyester glass fabric tape is used to insulate transformer, generator, and motor windings. It is also used to insulate bus bars.

3. Industry Standards

Tape shall meet the applicable requirements of the latest revision of the following industry standards:

ASTM D902; "Standard Test Methods for Flexible Resin-Coated Glass Fabrics and Glass Fabric Tapes Used for Electrical Insulation"

ASTM D1830; "Standard Test Method for Thermal Endurance of Flexible Sheet Materials Used for Electrical Insulation by the Curved Electrode Method"

ASTM D2400; "Standard Specification for Varnished Glass-Polyester Cloth Used for Electrical Insulation"

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4. Requirements

Product requirements shall be as defined in Table 4.

Table 4. Varnished Polyester Glass Fabric Tape Requirements

Description	Attribute
Base fabric material	Woven polyester/glass
Base fabric thickness (in)	0.004
Overall thickness(in) per ASMT D4200	0.010, +/- 0.001
Coating	Polyester resin
Color	Black
Tensile strength (lb) per ASTM D2400	50
Continuous use temperature (degrees C) per ASTM D1830	155
Dimensions per roll	
Width (in)	36
Length (ft)	108
Dielectric strength (Volts/mil) per ASTM D2400	
Short-term, unstressed	1300
After hot oil	1300
Under 6% elongation	1100

5. Packaging

Product shall be packaged to prevent damage during shipping, handling, and storage.

Product shall be packaged as individual rolls.

Rolls shall be legibly marked with the following information:

- Manufacturer identification
- Product description
- SCL stock number
- Length

Each shipping container shall be legibly marked with the following information:

- SCL purchase order number
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6. Issuance

Stock Unit: FT

7. Approved Manufacturers

Manufacturer	Catalog No.
Von Roll USA Inc.	600-210

8. Sources

Shetab, Muneer; SCL Standards Engineer, originator, and subject matter expert for 7364.95

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