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Temflex™ 2155 Rubber Splicing Tape

Data Sheet

Product Description

3M Temflex™ 2155 Rubber Splicing Tape is a conformable self-fusing rubber electrical insulating tape. It is designed for low voltage electrical insulating and moisture sealing applications. Temflex 2155 is Underwriters Laboratories (UL) Listed for use up to 600 volts.

- UL listed, File E129200
- Compatible with solid dielectric cable insulations
- Self-fusing tape
- Flexible over a wide temperature range

Applications (600 volt maximum)

- Bolted connections
- Service drops
- Lightning connections
- Ground rod connections
- Motor leads

Typical Data/Physical Properties

Test Method	Typical Value
Color	Black
Temperature Rating	
UL 510	176°F (80°C)
Thickness	
UL 510	30 mils (0,76 mm)
Fusion	
ASTM D4388, Type I	Pass
Tensile Strength	
UL 510	300 psi (2,07 N/mm ²)
Elongation	
UL 510	700%
Dielectric Breakdown	
UL 510	600 V/mil (23,6 KV/mm)

Note: These are typical values and should not be used for specification purposes.

Specification

The tape must be rubber based and capable of operating at temperatures up to 80°C.

The tape must not split or crack when exposed to normal operating temperatures. The tape must be compatible with synthetic cable and wire insulations. The tape shall not be corrosive to aluminum, or copper conductors.

The tape shall be 30 mils thick and comply with the requirements of UL 510 for rubber insulating tape.

Installation

Temflex 2155 tape should be applied in half-lapped layers until desired insulation build up is reached. Stretch the tape to 3/4 of its original width during application for good conformability and to obtain a moisture tight seal.

Temflex 2155 tape should be overwrapped for mechanical protection with half-tapped layers of either 3M Vinyl Electrical Tape or Temflex 1755 Cotton Friction Tape.

Shelf Life

Temflex 2155 has a three-year shelf life (from date of manufacture) when stored under the following recommended storage conditions. Store behind present stock in a clean, dry place at a temperature of 70°F (21°C) and 40-50% relative humidity. Good stock rotation is recommended.

Availability

Temflex 2155 rubber splicing tape is available from your local 3M authorized distributor in the following roll sizes:

- 3/4 in. x 22 ft. (19 mm x 6,7 m)
- 1 1/2 in. x 22 ft. (38 mm x 6,7 m)

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