



TAPE, VINYL CHLORIDE POLYMER

ESB-M3G40-A

1. SCOPE

The material defined by this specification is a vinyl chloride polymer tape having no adhesive backing.

2. APPLICATION

This specification was released originally for use as a protective covering for prefabricated wiring harnesses; as such, it is wrapped around the wires with sufficient tension and overlap to provide adequate retention. Material is not recommended for use in areas where the temperature exceeds 82 °C.

3. REQUIREMENTS

3.0 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

Material suppliers and part producers must conform to the Company's Standard Requirements For Production Materials (WSS-M99P1111-A).

3.3 APPEARANCE

Black with a smooth, glossy surface

3.4 DIMENSIONS

3.4.1 Thickness
(ASTM D 1000)

0.09 - 0.20 mm

3.4.2 Width

As required to produce the overlap
specified on the engineering
drawing

3.5 PHYSICAL PROPERTIES

3.5.1 Specific Gravity, min
(ASTM D 792)

1.22

3.5.2 Tensile Strength, min
(ASTM D 882, Method "A")

13.8 MPa

3.5.3 Elongation, min
(ASTM D 882)

200%

3.5.4 Modulus at 100% Elongation, min
(ASTM D 412)

5.5 MPa

3.6 COLD FLEXIBILITY
(FLTM BN 102-01)

No cracking

Date	Action	Revisions
2005 09 19	Revised	Inserted 3.0; Deleted 3.1, 3.2, 5, 6
1994 08 24	Revised	Revised para 3.4.1
1963 06 05	Released	ASI No. 915

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3.7 FLAMMABILITY (ASTM D 568, Method "A" or "B")

Self-extinguishing within 15 s and without more than 152 mm of length being burned.

4. FUNCTIONAL APPROVAL

Materials being evaluated for initial approval to this specification shall be subjected to a production trial. Functional trial results should be available to Design and Materials Engineering prior to material approval and release.

7. GENERAL INFORMATION

The information given below is provided for clarification and assistance in meeting the requirements of this specification.

7.1 PACKAGING

Smoothly and evenly wound with adequate tension to prevent telescoping of the material.