



TAPE, VINYL PLASTIC – PRINTABLE

ESB-M3G37-A

1. SCOPE

The material defined by this specification is a vinyl plastic tape, capable of accepting and retaining a printing ink, such as ESB-M99J215.

2. APPLICATION

This specification was released originally for material used as an identification tape on the main wiring harnesses for light and medium trucks.

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).

3.2	COLOR	White
3.3	THICKNESS (ASTM D 1000)	0.007 +/- 0.001 in (0.18 +/- 0.03 mm)
3.4	BREAKING STRENGTH, min (ASTM D 1000, 20 in (508 mm)/min rate of pull)	17 lb/in (3.0 N/mm) width
	Elongation, min	100%
3.5	DIELECTRIC STRENGTH AT 23 +/- 2 °C, min (ASTM D 1000)	1120 V/0.001 in (44 kV/mm)
3.6	ADHESION TO STEEL, min (ASTM D 1000)	15 oz/in (164 N/m) width
3.7	ADHESION TO BACKING, min (ASTM D 1000)	15 oz/in (164 N/m) width
3.8	ADHESION TO PAINT, min (ASTM D 1000)	
3.8.1	Normal	20 oz/in (219 N/m) width
3.8.2	Aged 24 h in Tap Water at 23 +/- 2 °C	30 oz/in (328 N/m) width

Date	Action	Revisions
2005 09 16	Revised	Inserted 3.0; Deleted 3.12, 4
1978 09 01		Metricated, Renumbered and Retyped CAH1-RD572066-87
1963 06 05	Released	AS1 #915



3.8.3 Aged 24 h at 98 +/- 2% Relative Humidity 30 oz/in (328 N/m) width
38 +/- 1 °C, min

3.8.4 Aged 24 h at 70 +/- 1 °C, min 30 oz/in (328 N/m) width

Test Method: Prepare panels for paint adhesion tests using ESB-M32J100 quality paint. Age paint 72 h minimum at 23 +/- 2 °C before applying tape and testing per ASTM D 1000.

3.9 FLAME RESISTANCE
(ASTM D 568, Method "A" or "B")

Self-extinguishing within 15 s, with no more than 6 in (152 mm) of its length being burned.

3.10 OIL RESISTANCE
(FLTM BU 110-01)

No blistering. Not more than 1 turn shall unwind.

3.11 COLD FLEXIBILITY
(FLTM BU 011-01)

No cracking