



TAPE, POLYESTER FILM - PRESSURE SENSITIVE

ESA-M3G170-A

1. SCOPE

The material defined by this specification is a pressure sensitive, transparent polyester film that bonds tenaciously to polyethylene and terne coated steel surfaces.

2. APPLICATION

This specification was released originally for temporarily securing fuel system components prior to final assembly.

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).

3.4 TAPE REQUIREMENTS

3.4.1 Appearance

The film and adhesive shall be transparent - clear or tinted.

3.4.2 Thickness, min
(ASTM D 1000)

Tape plus adhesive 0.10 mm

3.4.3 Tensile Strength, min
(ASTM D 1000 and ASTM D 3759)

4.0 N/mm width

3.4.4 Elongation at Break, min
(ASTM D 1000 and ASTM D 3759)

30%

3.4.5 Adhesion to Steel, min
(ASTM D 1000 and ASTM D 3330 -
squeegee process)

0.8 N/mm

3.4.6 Adhesion to Terne Coated Steel
(ASTM D 1000 - Use ESA-M1A281-A -
expose surface to 30 s to acetone
and rinse with methyl alcohol prior
to tape application - squeegee process)

1.0 N/mm

3.4.7 Adhesion to Polyethylene
Extruded Sheet
(ASTM D 1000 - Use ESL-M4D197-A2 -
squeegee process)

0.5 N/mm

Date	Action	Revisions
2006 01 19	Revised	Inserted 3.0; Deleted 3.1, 3.2, 3.3, 3.5.2, 4; Corrected numbering 3.4
1988 03 21	Released	RD-226220-C2



3.4.8	Breaking Strength, min (ASTM D 1000)	4180 g/cm
3.4.9	Tear Strength, min (ASTM D 1000)	0.008 N/mm
3.4.10	Unwind Pull, min (ASTM D 1000)	0.5 N/mm
3.4.11	Low Temperature Flexibility	Shall not crack nor show evidence of failure

Test Method: Samples approximately 150 mm in length shall be conditioned for 16 h at -29 °C and shall then be bent 180° on itself.