



TAPE, POLYESTER FILM LAMINATED TO ALUMINUM FOIL - PRESSURE SENSITIVE

ESB-M3G127-A

1. SCOPE

The material defined by this specification consists of a pressure sensitive polyester film laminated to the top surface of an aluminum foil facestock. The foil has a pressure sensitive adhesive which is protected by a release liner.

2. APPLICATION

This specification was released originally for material used to seal the inflator body of the passive restraint system. It is designed to be resistant to humidity and high temperatures.

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 CONSTRUCTION

Shall consist of an aluminum foil with pressure sensitive adhesive and a release paper on one surface and a clear polyester film laminated to the other or top surface.

3.3 COLOR

Aluminum or silver

3.4 DIMENSIONS

As specified on the engineering drawing.

3.5 ADHESION TO STEEL, min (ASTM D 1000)

80 oz/in (882 N/m) width

3.6 BREAKING STRENGTH, min (ASTM D 1000)

35 lb/in (6.1 N/mm) width

3.7 LINER REMOVAL, max (Test Method, PSTC-4)

1 oz/in (11 N/m) width

3.8 MOISTURE VAPOR TRANSMISSION RATE, max (FLTM BU 001-01)

1 g

3.9 HEAT RESISTANCE

Shall withstand 72 h at 177 +/- 2 °C bonded to an exterior quality enameled steel panel prepared per ESB-M2P4 without loss of adhesion or material deterioration other than darkening of the polyester film.

Date	Action	Revisions
2005 10 13	Revised	Inserted 3.0; Deleted 3.1, 3.10, 4
1979 12 18	Released	AK1-6000-35





5. GENERAL INFORMATION

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

5.1 THICKNESS (ASTM D 1000)

5.1.1	Total Product (without release liner)	0.006 in (0.152 mm)
5.1.2	Polyester Film	0.001 in (0.025 mm)
5.1.3	Polyester Film Adhesive	0.001 in (0.025 mm)
5.1.4	Aluminum Foil	0.002 in (0.050 mm)
5.1.5	Aluminum Foil Adhesive	0.002 in (0.050 mm)
5.1.6	Release Liner	0.0035 in (0.089 mm)