



Adhesive, Tape, Pull Tab

1 Scope

This specification covers a pull tab consisting of a high strength polyester backing coated on one (1) side with a high tack pressure sensitive adhesive or a heat activated adhesive.

1.1 Material Description. The pull tab is used to assist the plant operator in initiating and completing the removal of single coated foam tape, double coated foam tape, and pressure sensitive adhesive coated part release liners.

1.1.1 The pull tab adhesive must have high initial adhesion to the release liner surface. Type I construction is designed to bond to polyolefin liners such as polyethylene, polypropylene, etc. Type II construction is designed to bond to silicone coated paper and plastic liners. Type III construction uses a heat activated adhesive to bond to polyolefin liners such as polyethylene, polypropylene, etc.

1.1.2 The adhesive may be covered on one end of the tab with a piece of colored polyethylene or paper.

1.2 Symbols. Not applicable.

1.3 Applicability. To assist the plant operator in initiating and completing the removal of single coated foam tape, double coated foam tape, and pressure sensitive adhesive coated part release liners.

1.4 Remarks. Not applicable.

2 References

Note: Only the latest approved standards are applicable unless otherwise specified.

2.1 External Standards/Specifications.

ASTM D412 ASTM D3330 ASTM D3652

2.2 GM Standards/Specifications.

GMW3059 GMW14270

2.3 Additional References.

Engineering Drawing

3 Requirements

3.1 All materials supplied to this standard must comply with GMW3059, **Restricted and Reportable Substances**, including the requirement to submit a full material composition disclosure to GM via the International Material Data System (IMDS) or via a completed GMW3059 report form.

3.2 Properties. See Table 1.

Table 1: Properties

Properties	Type I	Type II	Type III	Test Methods
Color	As Specified	As Specified	As Specified	Visual
180 Degree Peel Strength Newton/meters (N/m) minimum after 72 h Real Time	Bond to Polyethylene Release Liner. ^{Note 1}	Bond to Silicone Coated Release Liner ^{Note 1}	Bond to Polyethylene Release Liner. ^{Note 1}	ASTM D3330 300 mm/minute
after 24 h at 38 °C and 95% Relative Humidity	Bond to Polyethylene Release Liner. ^{Note 1}	Bond to Silicone Coated Release Liner ^{Note 1}	Bond to Polyethylene Release Liner. ^{Note 1}	
after 4 h at -30 °C	Bond to Polyethylene Release Liner. ^{Note 1}	Bond to Silicone Coated Release Liner ^{Note 1}	Bond to Polyethylene Release Liner. ^{Note 1}	
after 72 h at 7 °C	Bond to Polyethylene Release Liner. ^{Note 1}	Bond to Silicone Coated Release Liner ^{Note 1}	Bond to Polyethylene Release Liner. ^{Note 1}	
Tensile Strength Newton per meters (N/m) 6.4 mm width	38 N/m	40 N/m	16 N/m	ASTM D412 Die A
Elongation at Break, Percent (%) minimum	75% minimum	1.5% minimum	20% minimum	ASTM D412 Die A

Note 1: See 3.2.1.1.

3.2.1 Adhesive. Type I and Type II are high tack pressure sensitive. Type III is heat activated.

3.2.1.1 Any attempt at removing the pull tab and release liner from single coated foam tape, double coated foam tape, or adhesive coated part must result in separation of release liner from adhesive, not pull tab from release liner.

3.2.2 Shelf Life. The material shall pass all requirements of this specification after aging material in the original container 90 days at 35 °C.

3.2.3 Product Size. The size of the product shall conform to the following (see 3.2.3a to 3.2.3c) or as shown on the engineering drawing.

- a. Width: 25 mm
- b. Length: 30 mm Total Thickness. **Note:** 15 mm to extend beyond edge of part.
- c. Film Thickness: 0.05 mm to 0.12 mm. **Note:** Thickness determined per ASTM D3652.

3.2.4 Other tests may be required to validate the specific application.

4 Manufacturing Process

Not applicable.

5 Rules and Regulations

5.1 Legal Regulations. All materials must satisfy applicable laws, rules, regulations and recommendations valid in the country of usage.

5.2 Language. In the event of conflict between the English and domestic language, the English language shall take precedence.