

EDS

Engineering,
GM DAEWOO Auto & Technology
Standards

PVC FILM SELF ADHESIVE ②

EDS-M-6802

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VERSION: 3

1. PURPOSE

The purpose of this standard is to establish the material property of the PVC-film used in automotive exterior trim and control the quality.

2. SCOPE

Automotive exterior trim, cautions and PVC-film of trim lamp.

3. MATERIAL

Transparent PVC-film covered with a protectant in the both side and applied with adhesive in one side.

4. REQUIREMENTS

Designations	Test Methods	Specifications
4.1. Weight per unit area	EDS-T-7611	320 ~ 370 g/m ²
4.2. Structure		
4.2.1. Film (without adhesive)		
(1) Material		Soft PVC of 100 Weight%
(2) Weight per unit area	EDS-T-7611	55 g/m ² min.
(3) Thickness	EDS-T-7624-1A	0.05 mm min.
(4) Ignition residue	EDS-T-7301-A2	12 Weight % max.
4.2.2. Adhesive		
(1) Material		Poly acrylic butylester
(2) Weight per unit area	EDS-T-7611	35 g/m ² min
4.2.3. Protectant of adhesive side		
(1) Material		Polyethylene paper (silicon free)
(2) Weight per unit area	EDS-T-7611	120 g/m ² min.
(3) Thickness	EDS-T-7624-1A	0.1 mm min.
(4) Tensile strength	EDS-T-7132-J	80 N/cm min.
		It must be higher than adhesion of adhesive side.
4.2.4. Protectant of film side		
(1) Material		Paper coated with elastomers
(2) Weight per unit area	EDS-T-7611	90 g/m ² min.
(3) Thickness	EDS-T-7624-1A	0.1 mm min.
(4) Tensile strength	EDS-T-7132-J	15 N/cm min.
		It must be higher than adhesion of adhesive side.
4.3. Requirements for film		
Test shall be performed on film applied with adhesive without protectant.		
4.3.1. Tensile strength (Warp direction)	EDS-T-7132-F	14 N/mm ² min.
4.3.2. Elongation at break (Warp direction)	EDS-T-7132-F	120 ~ 160 %