

EDS

Engineering,
GM DAEWOO Auto & Technology
Standards

TEST METHOD FOR DETERMINING THE RESISTANCE TO PEEL OF PLASTIC FILMS ADHERED TO MOLDED PLASTICS

EDS-T-7654

ISSUED DATE: 1994. 06. 24

REVISED DATE: 2006. 06. 19

VERSION: 2

1

	TEST METHOD FOR DETERMINING THE RESISTANCE TO PEEL OF PLASTIC FILMS ADHERED TO MOLDED PLASTICS	EDS-T-7654
		PAGE: 1/3

1. SCOPE

This standard is used to determine the resistance to peel of plastic films adhered to molded plastics and similar components.

2. DEFINITION

2.1. Resistance to peel: To be the force, acting at approx. 180 ° and parallel to the test piece, necessary to peel the test piece of standard dimensions from the substrate.

3. TEST PIECES AND NUMBER OF TEST PIECES

3.1. The test piece shall be taken from the material or the component. The length of it shall be at least 150mm.

3.2. For initial sample approval and arbitration purposes, at least 1 test piece from each of three components shall be tested. For routine quality control, at least 1 test piece shall be tested but each conditioning procedure is separately specified.

4. CONDITIONING

The test piece shall be maintained for 24 hours at a temperature of $23^{\circ}\text{C} \pm 2\text{K}$ and a relative humidity of $(50 \pm 6)\%$ prior to testing. If the special conditioning is required, such requirements will be specified on the drawings the material specifications etc.

5. APPARATUS

5.1. Humidity chamber capable of maintaining the relative humidity of $(50 \pm 6)\%$ at $+23^{\circ}\text{C} \pm 2\text{K}$.

5.2. Tensile test machine

It shall be capable of traversing at a speed of $(200 \pm 20)\text{mm/min}$ and equipped with a force-extension recorder.

5.3. Cutting dies, saws or shears for preparation of the test pieces.

5.4. Chamber capable of performing the special conditioning (See clause 4).

6. PROCEDURE

The test shall be performed at $+23^{\circ}\text{C} \pm 5\text{K}$ immediately after conditioning.

6.1. Preparation of test strip from test piece The test strip of width $(20 \pm 0.5)\text{mm}$ shall be cut so as to parallel to the longitudinal centre line of the test piece. One end of the test strip shall be separated from substrate by hand for a distance of 50mm.