

# EDS

Engineering,  
GM DAEWOO Auto & Technology  
Standards

## TEST METHOD FOR DETERMINING THE HEAT AGEING RESISTANCE OF PLASTIC FILMS

EDS-T-7512

ISSUED DATE: 1993. 10. 27

REVISED DATE: 2006. 06. 19

VERSION: 3

## 1. PURPOSE

The purpose of this standard is to determine the heat ageing resistance of plastic films used for the interior materials for vehicles.

## 2. SCOPE

This standard shall be performed on plastic films and on assemblies (e.g. polyurethane foam) which contain films, to the effects of elevated temperatures.

## 3. TEST PIECES

3.1. Size of test pieces: The tensile test pieces (EDS-T-7132-F) shall be taken so that longitudinal direction and transverse direction may be to the right each other.

### 3.2. Number of test pieces

3.2.1. For initial sample approval and arbitration purposes : At least 3 test pieces.

3.2.2. For routine quality control : At least 1 test pieces.

3.3. Sample of components or materials released to this specification shall be tested for conformity with the requirements of its specification and approved by **GMDAT** TECHNICAL CENTER prior to commencement of delivery of bulk supplies.

## 4. CONDITIONING

4.1. For initial sample approval and arbitration purposes, the test pieces shall be conditioned for  $+23^{\circ}\text{C} \pm 2\text{K} \times (50 \pm 6)\% \text{RH} \times 24 \text{ hours}$ . For routine quality control, tests shall be carried out in the as received condition.

## 5. APPARATUS

5.1. Suitable devices capable of maintaining the required temperatures within  $\pm 2.5\text{K}$ .

5.2. Chamber, capable of maintaining the constant temperature and humidity.

5.3. Tensile testing device, capable of applying tensile stress at a given speed.

5.4. Cutters or shears for taking test pieces.

## 6. TEST CONDITIONS

6.1. Coding A      Test Temperature       $+70^{\circ}\text{C} \pm 2.5\text{K}$

6.2. Coding B      Test Temperature       $+80^{\circ}\text{C} \pm 2.5\text{K}$