

EDS

Engineering,
GM DAEWOO Auto & Technology
Standards

TEST METHOD FOR DETERMINING THE PROPORTIONS OF ANIMAL HAIR AND RUBBER IN UPHOLSTERY MATERIALS

EDS-T-7653

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1. SCOPE

This standard is used to determine the relative proportions of animal hair and rubber in textile fabrics, felts, cotton wools, fleeces etc.

2. DEFINITION

2.1. Proportions of animal hair and rubber: To be defined as the relative quantities of animal hair and rubber in the test material expressed as a percentage by weight.

3. TEST PIECES AND NUMBER OF TEST PIECES

3.1. The test pieces weighing approx. 3g and covering the entire thickness of the material shall be taken. For formed parts where the relevant drawing stipulates a "test area", the test piece shall be taken from this area.

3.2. For initial sample approval and arbitration purposes, at least 2 test pieces, and for routine quality control at least 1 test piece shall be tested.

4. CONDITIONING

4.1. Non rubberized materials For initial sample approval and arbitration purposes, the test piece shall be maintained for at least 24 hours at a temperature of $+20^{\circ}\text{C} \pm 2\text{K}$ and a relative humidity of $(65 \pm 6)\%$ prior to testing. For routine quality control, the test shall be carried out on test pieces in as the received condition without special conditioning.

4.2. Rubberized materials For initial sample approval, arbitration purposes, and for routine quality control, the test piece shall be aged for at least 2 hours at a temperature of $+120^{\circ}\text{C} \pm 2.5\text{K}$ and then cooled down for at least 1 hour at a temperature of $+23^{\circ}\text{C} \pm 5\text{K}$ in a dessicator prior to testing.

5. APPARATUS

5.1. Humidity chamber capable of maintaining a temperature of $+20^{\circ}\text{C} \pm 2\text{K}$ and a relative humidity of $(65 \pm 6)\%$.

5.2. Cutting dies or shears for preparation of the test piece.

5.3. Glass beaker. min capacity 300ml.

5.4. Balance with an accuracy of $\pm 0.01\text{g}$.

5.5. Sieve of thin wires: 0.5 DIN 4188 SHEET 1 or $500\mu\text{m}$ BS 410

5.6. Oven capable of maintaining a temperature of $+120^{\circ}\text{C} \pm 2.5\text{K}$.