

EDS

Engineering,
GM DAEWOO Auto & Technology
Standards

TEST METHOD FOR DETERMINING THE PROPORTIONS OF VEGETABLE FIBERS AND RUBBER IN UPHOLSTERY MATERIALS

EDS-T-7682

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1. PURPOSE

This test standard shall be used to determine the relative proportions of vegetable fibers and rubber in rubberized upholstery materials.

2. DEFINITION

The proportions of vegetable fibers and rubber: Determined by this test method shall be defined as the relative quantities of each constituent present in the test material expressed as a percentage by weight.

3. TEST PIECES AND NUMBER OF TEST PIECES

3.1. From the available material, 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 pieces shall be taken from this area.

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

4. CONDITIONING

For initial sample approval, arbitration purposes and for routine quality control conditioning shall be carried out for at least 2 hours at a temperature of $+120^{\circ}\text{C} \pm 2.5\text{K}$. The test piece shall be removed from the oven and allowed to cool to $+23^{\circ}\text{C} \pm 5\text{K}$ in a closed desiccator for at least 1 hour.

5. APPARATUS

5.1. Heating oven, adjustable, capable of maintaining $+120^{\circ}\text{C} \pm 2.5\text{K}$.

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

5.3. Conical flask with condenser attachment, min capacity 300 ml.

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

5.5. Heating plate or Bunsen burner.

5.6. Suitable thermometer for the required temperatures.

5.7. Desiccator with silica gel.

5.8. Hood