

EDS

Engineering,
GM DAEWOO Auto & Technology
Standards

THE TEST METHOD FOR DETERMINING THE MOISTURE CONTENT OF PLASTIC COMPONENTS

EDS-T-7506

ISSUED DATE: 1990. 07. 11

REVISED DATE: 2006. 06. 19

VERSION: 3

1. PURPOSE

Some plastic components (made from polyamide) shall contain moisture for the purpose of suitable material properties and dimensional stability, after manufacturing components shall be absorbed the moisture by suitable means and the moisture content shall be determined for routine quality control of components.

2. SCOPE

This standard is applied to test method for determining the moisture content of plastic components.

3. DEFINITION

3.1. Moisture content: To be the mass loss of a test piece resulting from heating for 48 hours at 105°C.

4. TEST PIECE

4.1. Finished parts, some sections or granules shall be used as test pieces.

4.2. For initial sample approval and arbitration purposes, at least 3 test pieces shall be tested and for routine quality control, at least 1 test piece.

4.3. Sample of components or material released to this specification shall be tested for conformity with the requirements of its specification and approval by **GMDAT** TECHICAL CENTER prior to commencement of delivery of bulk supplies.

4.4. In the event of any intentional deviation from the requirements of this specification, it is the sole responsibility of the supplier to inform the purchase of all such deviation Furthermore the supplier shall submit unsolicited samples for reapproval by **GMDAT** TECHNICAL CENTER prior to comments of delivery of bulk supplies.

5. CONDITIONING

Test pieces shall be tested in the as received condition without special conditioning.

6. APPARATUS

6.1. Oven or chamber capable of maintaining the test temperature.

6.2. Balance accuracy to 0.5 mg.

6.3. Desiccator

6.4. Crucibles or glass beakers.