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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 1040.3-2006

**Plastics -- Determination of tensile properties -- Part 3: Test
conditions for films and sheets**

(English Translation)

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1 Scope

1.1

This Part of GB/T 1040 specifies the test conditions for determining the tensile properties of plastic films or sheets less than 1mm thick, based upon the general principles given in Part 1.

Note: For sheets greater than 1mm thick, the user is referred to GB/T 1040.2.

1.2

SEE Subclause 1.2 in GB/T 1040.1-2006.

1.3

This Part is not normally suitable for determining the tensile properties of:

- a) cellular materials;
- b) plastics reinforced by textile fibres.

1.4

SEE Subclause 1.5 in GB/T 1040.1-2006.

2 Normative references

The provisions in the following documents become the provisions of this Part through reference in this Part. For dated references, the subsequent amendments (excluding corrections) or revisions do not apply to this Part.

However, parties who reach an agreement based on this Part are encouraged to study if the latest editions of these documents are applicable. For undated references, the latest editions apply to this Part.

GB/T 1040.1-2006 Plastics - Determination of tensile properties - Part 1:

General principles (ISO 527-1:1993, IDT)

GB/T 6672-2001 Plastics - Film and sheeting - Determination of thickness by mechanical scanning (idt ISO 4593:1993)

ISO 4591:1992 Plastics - Film and sheeting - Determination of average thickness of a sample, and average thickness and yield of a roll, by gravimetric techniques (gravimetric thickness)

7 Number of specimens

SEE Clause 7 in GB/T 1040.1-2006.

8 Conditioning

SEE Clause 8 in GB/T 1040.1-2006.

9 Procedure

SEE Clause 9 in GB/T 1040.1-2006.

10 Calculation and expression of results

SEE Clause 10 in GB/T 1040.1-2006, except for "10.3 Modulus calculation" and "10.4 Poisson's ratio, μ ".

11 Precision

The precision of the test method is not known because inter-laboratory data are not available. When inter-laboratory data are obtained, a precision statement will be added at the following revision.

12 Test report

The test report shall include the following information:

a) a reference to this Part of GB/T 1040, including the type of specimen and the test speed, written in the following format:

Tensile test GB/T 1040.3/1B/50

Type of specimen

Test speed b) to q), SEE b) to q) in Clause 12 of GB/T 1040.1-2006.

_____ END _____