

# *Tentative Specifications for* CELLULOSE ACETATE PLASTIC SHEETS<sup>1</sup>



A.S.T.M. Designation: D 786 - 46 T

ISSUED, 1944; REVISED, 1945, 1946.<sup>2</sup>

These Tentative Specifications have been approved by the sponsoring committee and accepted by the Society in accordance with established procedures, for use pending adoption as standard. Suggestions for revisions should be addressed to the Society at 1916 Race St., Philadelphia 3, Pa.

## Scope

1. (a) These specifications cover rigid plastic sheets made from cellulose acetate and plasticizers, with or without the addition of dyes and up to 2.5 per cent of pigment color. These specifications do not cover special sheets compounded for special applications.

NOTE.—The properties included in these specifications are those required to identify the type of material covered. There may be other requirements necessary to identify particular characteristics. These will be added to the specifications as their inclusion becomes generally desirable and the necessary test data and methods become available.

(b) Filled or heavily pigmented sheets are not covered by these specifications as their properties will vary depending upon the thickness of the sheets and the degree of pigmentation.

## Type

2. These specifications cover the following two types of cellulose acetate plastic sheet containing not more than 2.5 per cent inert pigment or filler:

*Type I.*—General purpose material.

*Type II.*—Aircraft material.

## General Requirements

3. (a) The material shall be of uniform composition and so compounded as to conform to the requirements prescribed in these specifications.

(b) Requirements for size, dimensional tolerances, surface finish, and color shall be as specified by the purchaser in the contract or order (Notes 1, 2, and 3).

NOTE 1.—Standard size trimmed sheets are  $20 \pm \frac{1}{16}$  in. by  $50 \pm \frac{1}{16}$  in. by nominal thickness from 0.005 to 0.250 in. The thickness may vary from nominal thickness at any point in the sheet within the limits shown in Table I.

NOTE 2.—Sheets may be finished on one or both sides with any of the following finishes:

- a.—Polished,
- b.—Matte, and
- c.—Special embossed finishes such as linen, leather, etc.

NOTE 3.—Type I and type II sheets may be clear or colored transparent. Type I sheets may also be translucent.

<sup>1</sup> Under the standardization procedure of the Society, these specifications are under the jurisdiction of the A.S.T.M. Committee D-20 on Plastics.

By publication of these specifications, the American Society for Testing Materials does not undertake to insure anyone utilizing the specifications against liability for infringement of Letters Patent nor assume any such liability, and such publication should not be construed as a recommendation of any patented or proprietary application that may be involved.

<sup>2</sup> Latest revision accepted by the Administrative Committee on Standards, September 9, 1946.