

Tentative Specifications for

VINYL CHLORIDE-ACETATE RESIN MOLDING COMPOUNDS¹



A.S.T.M. Designation: D 728 - 44 T

ISSUED, 1943; REVISED, 1944.²

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. These specifications cover rigid molding compounds consisting of vinyl chloride-acetate resins of approximately 86 per cent vinyl chloride content and the necessary lubricants, stabilizers, dyes, pigments, and fillers, and suitable for injection molding. These specifications do not cover special materials compounded for special applications.

NOTE.—The properties included in these specifications are those required to identify the type of molding compound 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.

Type and Grades

2. These specifications cover one type and three grades of rigid injection molding compounds made from vinyl chloride-acetate resins.

¹ 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 not assume any such liability, and such publication should not be construed as a recommendation of any patented or proprietary application that may be involved.

² Revision accepted by Committee E-10 on Standards, August 28, 1944.

General Requirements

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

(b) The grade designation, color, and particle size of the molding compounds shall be as specified by the purchaser in the contract or order (Notes 1 and 2).

NOTE 1.—Vinyl chloride - acetate resin molding compounds are available in the following particle sizes:

- (1) Chips approximately $\frac{3}{4}$ by $\frac{3}{4}$ by $\frac{1}{8}$ in.,
- (2) All particles passing a $\frac{3}{16}$ -in. round-hole sieve, and
- (3) All particles passing a $\frac{5}{16}$ -in. round-hole sieve.

NOTE 2.—The three grades of molding compounds covered by these specifications are available in the following degrees of transparency or opacity:

- Grade 1.—Transparent clear or colors only,
- Grade 2.—Translucent or opaque colors only, and
- Grade 3.—Opaque colors only.

Detail Requirements

4. Test specimens molded under conditions specified by the manufacturer shall conform to the requirements as to physical properties prescribed in Table I.