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PLASTEC NOTE N6C

**GOVERNMENT SPECIFICATIONS AND STANDARDS FOR  
PLASTICS, COVERING DEFENSE ENGINEERING  
MATERIALS AND APPLICATIONS (REVISED, FINAL)**



**MAY 1973**

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**GOVERNMENT SPECIFICATIONS AND STANDARDS FOR  
PLASTICS, COVERING DEFENSE ENGINEERING  
MATERIALS AND APPLICATIONS (REVISED, FINAL)**

by

**NORMAN E. BEACH**  
(See note on reverse side)

**MAY 1973**

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**PLASTICS TECHNICAL EVALUATION CENTER  
Picatinny Arsenal, Dover, New Jersey 07801**

NOTE: Shortly after completing this report, Norman Beach passed away on May 30, 1973. He would have been 69 years old in August. In his 12 years with PLASTEC, Mr. Beach gave invaluable service in PLASTEC's publication program as both editor and writer. His cheering influence will be missed by all those whose lives he touched.

Questions about this report may be directed to Mr. Arthur H. Landrock.

HARRY E. PEBLY, JR.

## ABSTRACT

This report lists the specifications for those plastic materials which are considered to be of interest to engineers concerned with the design, development, production, and handling of defense hardware. Included are the major specifications pertaining to molding, extrusion, films, foams, and laminates: sheets, rods, tubes and shapes. MIL, Federal, ASTM, and SAE Aeronautical Material Specifications are included.

## NOTICES

1. This document supersedes PLASTEC Note 6B, "Government Specifications and Standards for Plastics, Covering Defense Engineering Materials and Applications", June 1969. AD 697 181.
2. No attempt has been made to carry through the identification of "revision" and "amendment" for the many specifications since (1) this information may be outdated in some instances even before the report is printed, (2) when information on the exact status of a specification is required, it will have to be obtained from a holder of the latest DoD index and supplement, and (3) at any request through proper channels for copies of either Military or Federal specifications, the latest revision and amendment is provided.
3. Every attempt has been made to insure accuracy in reproduction of the information provided herein but PLASTEC assumes no responsibility for errors.

## PREFACE

Normally, this document is revised each three years. However, since the last revision (June 1969), the same area is now being covered by another Government agency.

The National Bureau of Standards now publishes the "World Index of Plastics Standards", NBS Publication No. 352, December 1971. It can be purchased from the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402. It may be ordered by SD Catalog No. C13.10:352. The price is \$5.50.

Unless events take an unforeseen turn, this will be a final run-down on the basic material specifications for plastics. This compilation is offered as a ready reference to specifications on moldings, extrusions, films, foams, and laminates: sheets, rods, tubes and shapes.

NOTE Sources of the specifications noted in this report can be deduced from their numbers. Thus:

- |              |                                                                                                                                       |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------|
| "AMS xxxx"   | Aerospace Material Specification, Society of Automotive Engineers, Inc., Two Pennsylvania Plaza, New York, N.Y. 10001                 |
| "ASTM xxxxx" | American Society for Testing and Materials, 1916 Race Street, Philadelphia, Pa. 19103                                                 |
| "MIL-x-xxx"  | Military specification; Army, Navy, Air Force; from Naval Publications and Forms Center, 5801 Tabor Ave., Philadelphia, Pa. 19120     |
| "L-P-xxx"    | Federal specification; from Naval Publications and Forms Center; or nearest General Services Administration, Business Service Center. |

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