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Superseding AMS3678/2

**Type 2
15% Graphite Filled Virgin Polytetrafluoroethylene (PTFE) Moldings or Extrusions**

RATIONALE

This document is being revised to clear up some editorial issues and to maintain the same revision date for AMS3678 and all the accompanying slash sheets.

1. SCOPE

1.1 Form

This specification covers a polytetrafluoroethylene (PTFE) resin filled with 15% graphite in the form of extruded or molded rods or tubes which are sintered after molding or, in the case of extrusions, sintered during the extrusion process.

1.2 Application

These products have been used typically for seal components for dynamic reciprocating and rotary applications requiring dimensional stability up to 450 °F (232 °C) with good mechanical properties, but usage is not limited to such applications. Each application should be considered individually.

2. APPLICABLE DOCUMENTS

See AMS3678.

3. TECHNICAL REQUIREMENTS

3.1 Basic Specification

The complete requirements for procuring the products described herein shall consist of this document and the latest issue of the basic specification, AMS3678.

3.2 Material

All products shall be molded or extruded from virgin polytetrafluoroethylene (PTFE) powder conforming to ASTM D 4894, Type II or Type IV, uniformly blended with the specified filler. The blended powder shall consist of 15% ± 2 graphite and the remainder virgin PTFE powder, filler percentage measured by weight.

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