

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

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 AMS 3678.

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, AMS 3678.

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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