

**AEROSPACE
MATERIAL
SPECIFICATION**

AMS 3571/4A
Superseding AMS 3571/4

Issued 7-1-76
Revised 7-1-84

RESIN, POLYETHER URETHANE (EU) CASTING
Flexible, Solid, Unfilled
75 Durometer "A"

1. SCOPE:

1.1 Form: This specification covers one type of polyether-type urethane (EU) resin and hardener which, when mixed and cured, produce elastomeric polyurethane products.

1.2 Application: Primarily for liquid application as electronic encapsulation or for casting parts and shapes.

1.3 Classification: 75 Durometer "A".

2. APPLICABLE DOCUMENTS: See AMS 3571.

3. TECHNICAL REQUIREMENTS:

3.1 Basic Specification: The complete requirements for procuring the product described herein shall consist of this document and the latest issue of the basic specification, AMS 3571.

3.2 Material: See AMS 3571.

3.3 Properties of Cured Product: The material, mixed and cured in accordance with manufacturer's instructions, shall conform to the following requirements, determined in accordance with test methods listed in AMS 3571:

3.3.1 Hardness, Durometer "A" or equiv.	75 $\pm$ 5
3.3.2 Tensile Strength, min	1200 psi (8.30 MPa)
3.3.3 Elongation, min	300%
3.3.4 Tensile Stress at 100% Elongation, min	350 psi (2.40 MPa)

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