

AEROSPACE  
MATERIAL  
SPECIFICATION

**AMS 3571/7A**  
Superseding AMS 3571/7

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

RESIN, POLYETHER URETHANE (EU) CASTING  
Flexible, Solid, Unfilled  
55 Durometer "D"

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: 55 Durometer "D".

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 "D" or equiv.	55 $\pm$ 5
3.3.2 Tensile Strength, min	3500 psi (24.0 MPa)
3.3.3 Elongation, min	275%
3.3.4 Tensile Stress at 100% Elongation, min	1000 psi (7.0 MPa)

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