

RESIN, POLYETHER URETHANE (EU) CASTING  
Flexible, Solid, Unfilled  
85 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: 85 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.	85 ± 5
3.3.2 Tensile Strength, min	2000 psi (14.0 MPa)
3.3.3 Elongation, min	300%
3.3.4 Tensile Stress at 100% Elongation, min	450 psi (3.10 MPa)

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