

FOAM, POLYETHER URETHANE (EU) ELASTOMER, SHOCK ABSORBING  
15 lb/cu ft (240 kg/m<sup>3</sup>) Density

1. **SCOPE:** This specification covers a chemically or mechanically expanded polyether urethane (EU) elastomeric foam material in the form of ready-to-use sheet.
- 1.2 **Application:** Primarily for use in applications where shock absorbing characteristics and cushioning are required and where flammability does not preclude its use.
2. **APPLICABLE DOCUMENTS:** See AMS 3568.
3. **TECHNICAL REQUIREMENTS:**
- 3.1 **Basic Specification:** The complete requirements for procuring the foam sheet described herein shall consist of this document and the latest issue of the basic specification, AMS 3568.
- 3.2 **Material:** Shall be an elastomeric polyether urethane (EU) foam as specified in AMS 3568 formed by open or closed cells, with natural (cream) color.
- 3.3 **Properties:** The foam sheet shall conform to the following requirements, determined in accordance with test methods listed in AMS 3568:
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| 3.3.1 Density  | 14 - 17 lb per cu ft<br>(225 - 270 kg/m <sup>3</sup> ) |
| 3.3.2 Compression Deflection for<br>20% Compression, max | 8 psi<br>(0.055 MPa)                                   |
| 3.3.3 Compression Deflection for<br>40% Compression, max | 12 psi<br>(0.083 MPa)                                  |
| 3.3.4 Tensile Strength, min                              | 50 psi<br>(0.345 MPa)                                  |
| 3.3.5 Elongation, min                                    | 60.0%  |

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