

AEROSPACE MATERIAL SPECIFICATION



AMS 7261/1F

Issued APR 1983
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Superseding AMS 7261/1E

Rings, Sealing, Phosphonitrilic (FZ) Fluoroelastomer
High-Temperature-Fluid Resistant
65 - 75

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1. SCOPE:**1.1 Form:**

This specification covers one type of phosphonitrilic (FZ) fluoroelastomer in the form of molded rings.

1.2 Classification:

Rings having nominal hardness of 70 Durometer A, or equivalent.

2. APPLICABLE DOCUMENTS:

See AMS 7261.

3. TECHNICAL REQUIREMENTS:**3.1 Basic Specification:**

The complete requirements for procuring the sealing rings described herein shall consist of this document and the latest issue of the basic specification, AMS 7261.

3.2 Properties:

Shall be as follows:

3.2.1 As Received:

3.2.1.1 Hardness, Durometer "A" or equivalent 70 ± 5

3.2.1.2 Tensile Strength, minimum 900 psi
(6.21 MPa)

3.2.1.3 Elongation, minimum 100%

3.2.1.4 Specific Gravity Preproduction
Value ± 0.02

3.2.1.5 Temperature Retraction
TR₁₀ Point, maximum -55°C
(-67°F)

3.2.2 Aromatic Fuel Resistance: ASTM Reference Fuel B
(ASTM D 471)

3.2.2.1 Hardness Change, Durometer
"A" or equivalent 0 to -10
Temperature: 20° - 30°C
(68° - 86°F)
Time: 22 hours ± 0.25