

**TEST SLABS, ACRYLONITRILE BUTADIENE (NBR-H)  
High Acrylonitrile, 65 - 75****1. SCOPE:**

1.1 **Form:** This specification covers a standard acrylonitrile butadiene (NBR-H) rubber stock with high acrylonitrile content in the form of molded test slabs.

1.2 **Application:** Primarily for determining compatibility of the type of elastomer with various lubricating oils, hydraulic fluids, and fuels.

2. **APPLICABLE DOCUMENTS:** See AMS 3217.

**3. TECHNICAL REQUIREMENTS:**

3.1 **Basic Specifications:** The complete requirements for procuring the test slabs described herein shall consist of this document and the latest issue of the basic specification, AMS 3217.

3.2 **Material:** Shall be a high-acrylonitrile butadiene (NBR-H) compounded to the following formula:

| Ingredients        | NBS<br>SRM<br>No. | Parts |                       |
|--------------------|-------------------|-------|-----------------------|
| Hycar 1002®        | -                 | 100.0 | (See 3.2.1)           |
| Zinc Oxide         | 370               | 5.0   | (See 3.2.2)           |
| Stearic Acid       | 372               | 1.5   | (See 3.2.2)           |
| Sulfur             | 371               | 1.5   | (See 3.2.3)           |
| Philblack A®, N550 | -                 | 45.0  | (See 3.2.1 and 3.2.4) |
| Altax®             | -                 | 1.5   | (See 3.2.3)           |

Press Cure: 20 min.  $\pm$  0.5 at 155°C  $\pm$  3 (310°F  $\pm$  5).

3.2.1 Weigh parts to the nearest 1.0 gram.

3.2.2 Weigh parts to the nearest 0.1 gram.

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