

1.0 PURPOSE

This document lists the design and performance acceptance criteria of non-asbestos packing material. This material is used in explosion-proof equipment.

2.0 SCOPE

This document applies to non-asbestos packing material that is used in cable gland entries in Mine Safety & Health Administration (MSHA) certified explosion-proof enclosures.

3.0 REFERENCES

3.1. "Standard Test Procedure for Non-Asbestos Packing Material" (ASTP5006)

3.2. "Standard Operating Procedure for Non-Asbestos Packing Material" (ASOP5027)

3.3. "Procedure for Acceptance of Non-Asbestos Packing Material" (ASAP5010)

4.0 DEFINITIONS

4.1. Cable entry gland - The mechanical parts of an explosion-proof enclosure through which an electrical cable enters the enclosure.

4.2. Flame resistant - A material that passes the flame tests listed in "Standard Test Procedure for Non-Asbestos Packing Material" (ASTP5006)

4.3. Non-Asbestos packing material - A rope-like material, the cross section being either round or square.

5.0 CRITERIA

5.1. Design Requirements

Non-asbestos packing material must be not less than 3/16 inch nominal diameter, if round or not less than 3/16 inch by 3/16 inch, if square. (30 CFR Part 18.37(e)(1))

5.2. Performance Requirements

The material must meet the performance requirements of ASTP5006.

5.3. Additional Requirements

Since all possible materials, compositions, physical properties, and material uses cannot be foreseen, MSHA reserves the right to modify construction and test requirements to obtain the same degree of protection as provided in this document.