



ENGINEERING STANDARDS

Material Specification

LIMITED USE
HN1593

Sealer - Anaerobic type - High Temperature Resistant

Do Not Use on New Programs; No Replacement

1. Description:

This standard describes a single component, gel-like anaerobic material intended for use in place of preformed and pre-cut gaskets. The material solidifies by polymerization into a tough plastic when confined between closely fitted metal surfaces, producing an effective seal against leakage. The material is suitable for temperatures up to 200°C and pressures up to 31MPa.

2. General:

The material shall be capable of sealing gaps up to 0.5mm. and shall not migrate or drip when used on vertical surfaces.

3. Properties:

- | | | |
|-----|--|----------------------------|
| 3.1 | Resin Type | - Polyacrylate. |
| 3.2 | Colour | - Red. |
| 3.3 | Shelf life at 25° | - 12 months minimum. |
| 3.4 | Temperature range
Continuous operation. | - 57° C. to 200° c. |
| 3.5 | Viscosity at 22° C
(Brookfield Viscometer 5RPM) | -700,000 to 1,200,000 CPS. |
| 3.6 | Cure speed | -4 hours. |

- | | | | |
|----|------------------------|---|---------------------------|
| 4. | Approval |) | Refer clauses A,B,C and G |
| | Certification |) | HN 1000 |
| | Inspection & Rejection |) | |

APPROVED SUPPLIERS AND MATERIALS SHEET

APPROVED MATERIAL

Loctite 510

APPROVED SUPPLIER

Loctite Australia

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Originating Department: GM Holden Engineering Standards

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Documents

Document Sharing Hub

5 Release and Revisions

This standard was originated in April 1985. It was first published in April 1985.

Issue	Publication Date	Description (Organization)
1	APR 1985	Initial publication.
2	FEB 2016	Limited for Current Use. (Materials)