



SEALANT, ANAEROBIC, PRE-APPLIED THREADED

WSS-M4G370-A

1. SCOPE

The material defined by this specification is one component, paste-like, curing anaerobic material, which sets between closely fitted metal surfaces and prevents loosening and leakage from shock and vibration.

2. APPLICATION

This material was originally released for materials used to seal threaded plugs, gaskets, and joints in the engine and chassis. This material is designed for the locking and sealing of metal tapered threads and fittings, low strength; 150 °C continuous use temperature and pressure to 2.5 bar; solvent resistance.

Not recommended for use on thermoplastic materials where stress cracking of the plastic could result. Users are recommended to confirm compatibility of the product with such substrates.

Prior to the release for a particular application and in addition to the requirements specified herein, full evaluation with the assembled part must be ensured by the affected Component Engineering activity.

3. REQUIREMENTS

Material specification requirements are to be used for initial qualification of materials.

3.1 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

Material suppliers and part producers must conform to the Company's Standard Requirements For Production Materials (WSS-M99P1111-A).

3.2 VISCOSITY 250.000 a 8000.000 mPa.s
(ASTM D 1084, Method A, Brookfield RVF,
7 spindle, 2 rpm at 25 °C)

3.3 SPECIFIC GRAVITY 1.10 +/- 0.10
(ASTM D 792, Method A)

3.4 FLASH POINT above 93
(ASTM D 56)

3.5 SEALING PRODUCTS PERFORMANCE

3.5.1 Breakaway torque, 1.5 N.m min
(ISO 10964),
After 24h cure at 23+/-2

Date	Action	Revisions	Rev. 0
2010 10 19	Activated		



Documents

R. Verde, SA

Document Sharing Hub



3.6 COMPATIBILITY

(ASTM D 471, 166h at 150 +/- 2)

After conditioned as above repeat breakaway torque.

4. APPROVAL OF MATERIAL

Materials defined by this specification must have prior approval by the responsible Materials Engineering activity. Suppliers desiring approval of their materials shall first obtain an expression of interest from the affected Purchasing, design and Materials Engineering activity. Upon request, the Supplier shall submit to the affected Materials Engineering activity its own laboratory report to the specification (test results, not nominal values), the material designation and code number, and test specimens for Ford evaluation. Upon approval, the material will be added to the Engineering Material approved Source List.