



GREASE – POLYGLYCOL, LITHIUM COMPLEX, ASSEMBLY LUBRICANT

WSS-M1C276-A

1. SCOPE

The material defined by this specification is an NLGI 1.5 grease consisting of a polyglycol base and lithium complex thickener to give the desired characteristics for assembly and long-term lubrication.

2. APPLICATION

This specification was released originally to provide a part number for grease used for lubricating stabilizer bar bushings for 2010 B299 (FNA Tox # 184385). It can also be used as an electrical sealant for spark plug and distributor boots in ignitions, high tension electrical connections and electronic equipment.

3. REQUIREMENTS**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 APPEARANCE

Beige

3.3 PENETRATION, worked 60 strokes
(ISO 2137/ASTM D 217)

285 - 315

3.4 DROPPING POINT, °C, min
(ASTM D 566 or ASTM D 2265, DIN ISO 2176)

220

4. GENERAL INFORMATION

The information given below is provided for clarification and assistance in meeting the requirements of this specification.

4.1 DENSITY, g/mL
ASTM D1475

1.0

4.2 BASE OIL VISCOSITY, mm²/s, min
ISO 3104/ASTM D445

4.2.1 40 °C

220

4.2.2 100 °C

40

4.3 OIL SEPARATION, wt%, max
DIN 51817, 24 hrs, 100 °C

5

Date	Action	Revisions	Rev. 1
2010 10 19	Revised	Added the language on paragraph 4	L. Sinclair, NA
2010 06 24	Activated		C. Mrazna, NA



4.4 INTERFACE COMPATIBILITY

Production representative materials specific to the application should be used for the following tests.

4.4.1 Chemical Attack to Painted Surfaces (FLTM BJ 126-01)

Note: Not tested for initial application of this grease. Greases must be tested for chemical attack to painted surfaces for applications that come in contact with paint surfaces, ex. E-coat and powder coat.

4.4.2 Resistance to Stress Cracking (FLTM BO 127-03)

Note: Not tested for initial application of this grease. Grease must be tested for resistance to stress cracking when used for additional applications that come in contact with polymers such as PC, ABS, PC+ABS, ASA or acrylic.

4.4.3 Elastomer Compatibility (ASTM D 4289, 70 h, 100 C, DIN 53505, DIN 53504)

Volume change
Hardness change, max
Tensile Strength change

Note: Not tested for initial application of this grease. Grease must be tested for elastomer compatibility when used for additional applications that come in contact with elastomers. Application specific elastomer should be used for testing instead of a reference elastomer.