



GREASE, SYNTHETIC, PTFE

WSS-M1C274-A

1. SCOPE

This material defined by this specification is an NLGI 2 synthetic grease containing PTFE particles held in suspension.

2. APPLICATION

This specification was originally released to aid the prevention of aluminum wheels seizing to ferrous hubs. The grease is also required to be compatible with the ABS wheel badges and therefore must not induce cracking.

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 SPECIFIC REQUIREMENTS

3.2.1	Color	White, translucent
3.2.2	Cone Penetration (ASTM D 217)	260 - 300
3.2.3	Density (ASTM D 1480)	>0.83 g/ml
3.2.4	Dropping Point (ASTM D 2265)	>220 °C
3.2.5	Oil Separation (ASTM D 1742, 24 hrs 100 °C)	<2.0 %
3.2.6	Evaporation (ASTM D 972, 24 hrs 100 °C)	<0.75 %
3.2.7	Oxidation Stability (ASTM D 942, 100 hrs 100 °C)	<13.8 kPa
3.2.8	Stress Cracking Test for Plastics (FLTM BO 127-03)	No Cracking

Use the same polymer resin that the grease may contact.

Date	Action	Revisions	Ver 1
2008 06 12	Activated		



Documents

G Barr, FOF

Document Sharing Hub



3.2.9 Base Oil Properties, Polyalphaolefin

3.2.9.1 Kinematic Viscosity (ASTM D 445)

100 °C
40 °C
-40 °C

7.50 – 8.50 mm²s⁻¹
33 – 55 mm²s⁻¹
<10,000 mm²s⁻¹

3.2.9.2 Flash Point (ASTM D 92)

>220 °C

3.2.9.3 Pour Point (ASTM D 97)

<-50 °C

4. GENERAL INFORMATION

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