



Brake Caliper Grease

1 Scope

1.1 Material Description. This specification defines mineral oil grease with bentonite thickener.

1.2 Symbols. Not applicable.

1.3 Typical Applications. This grease is designed primarily for automotive brake calipers.

1.4 Remarks. This specification describes requirements for grease used by the Customer Care and Aftersales organization. The approved product meeting this specification is Continental Plastilube Grade 2.

2 References

Note: Only the latest approved standards are applicable unless otherwise specified.

2.1 External Standards/Specifications.

ASTM D217	DIN 51807	DIN ISO 2176
ASTM D2265	DIN 51818	

2.2 GM Standards/Specifications.

None

2.3 Additional References.

- Continental Plastilube Grade 2
- TMC003 Material Safety Data Sheet guidance documents (available at www.gmsupplypower.com).

3 Requirements

3.1 General Requirements.

3.1.1 Base Oil. Mineral oil shall be the base oil.

3.1.2 Thickener. Bentonite shall be the thickener.

3.1.3 Impurities. The grease shall be free of organometallic thickeners, free fatty acids, additives, and other fillers.

3.2 Specific Requirements.

3.2.1 Dropping Point (DIN ISO 2176 or ASTM D2265). Greater than 270 °C (non-melting).

3.2.2 Penetration, Worked 60 Strokes at 25 °C (DIN 51818 or ASTM D217). 265 mm to 295 mm/10 (NLGI 2).

3.2.3 Water Resistance (DIN 51807 Part 1). Three hours (3 h) at 90 °C: 1 rating.

4 Manufacturing Process

Not applicable.

5 Rules and Regulations

5.1 Legal Regulations. All materials must satisfy applicable laws, rules, regulations and recommendations valid in the country of usage.

5.2 Language. In the event of conflict between the English and domestic language, the English language shall take precedence.

5.3 Inspection and Rejection. Not applicable.

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5.4 Initial Source Approval. Not applicable.

5.5 Material Safety Data Sheets/Safety Data Sheets (MSDS/SDS). Not applicable.

6 Approved Sources

Not applicable.

7 Notes

7.1 Glossary. Not applicable.

7.2 Acronyms, Abbreviations, and Symbols.

MSDS Material Safety Data Sheet

NLGI National Lubricating Grease Institute

SDS Safety Data Sheet

8 Coding System

This standard shall be referenced in other documents, drawings, etc., as follows:

Material per 9986387

9 Release and Revisions

This standard was originated in December 2012. It was first approved by the Fuels, Fluids and Lubricants Team in April 2013. It was first published in April 2013.

Issue	Publication Date	Description (Organization)
1	APR 2013	Initial publication.