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MOLYKOTE® Lubolid Additive Powders

Friction control additives

Features

- Reduction of fading
- Improvement of friction recovery
- Stabilization of friction
- Reduction of vibration
- Improvement of comfort
- Reduction of pad wear
- Reduction of rotor wear
- Prevention of DTV
- Antimony- and lead-free (“according to End-of-Life Vehicles Directive ELV”)
- No intentional polytetrafluoroethylene (PTFE) or per- and polyfluoroalkyl substances (PFAS):
  - MOLYKOTE® 7365 Lubolid Additive Powder
  - MOLYKOTE® 7375 Lubolid Additive Powder
  - MOLYKOTE® D-55 Lubolid Additive Powder
  - MOLYKOTE® D-78 Lubolid Additive Powder
  - MOLYKOTE® D-79 Lubolid Additive Powder

Composition

- Inorganic solids

Applications

MOLYKOTE® Lubolid Additive Powders are suitable for use in the following applications: pads of disc brakes for passenger cars and commercial vehicles, linings for drum brakes, pads for railroad disc brakes, brake shoes for railroad wheel brakes, general industrial brake linings, and clutch linings.

How to use

Recommended is to add 3-7 weight percent of MOLYKOTE® Lubolid Additive Powder to the friction lining formulation. This mixture should be stirred until a homogeneous distribution occurs.

Typical properties

Specification writers: These values are not intended for use in preparing specifications. Please contact your local MOLYKOTE® sales representative prior to writing specifications on this product.

Standard	Test	Unit	Result
	Color		Gray
	Consistency		Free flowing powder
	Application temperature	°C/°F	max. 650/1,202

For further performance data, see “Comparison of product properties” table on page 2

Handling precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION.

Usable life and storage

When stored at or below 25°C (77°F) in the original unopened bags, this product has a usable life of 60 months from the date of production.

Packaging

These products are available in 25 kg paper bags with plastic interior.

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Comparison of product properties

Product	Tamped volume (ml/100g)	Tamped density (g/cm^3)	Theoretical density (g/cm^3)	Residue on 100 µm screen (%)	Moisture max. (%)	Key feature	Main application
MOLYKOTE® 7365 Lubolid Additive Powder	233	0.43	3.26	0.9	1.0	Stabilization for friction	Passenger car disc brake pads
MOLYKOTE® 7375 Lubolid Additive Powder	135	0.74	3.26	3.1	1.0	Multipurpose brake pad additive	Passenger car pads, railroad brake pads
MOLYKOTE® D-3912 Lubolid Additive Powder	227	0.44	3.23	0.9	1.0	Stabilization for friction	Commercial vehicles
MOLYKOTE® D-29 Lubolid Additive Powder	244	0.41	2.55	3.0	5.0	Reduction of noise and judder	Passenger car pads and clutches, railroad brake blocks
MOLYKOTE® D-54 Lubolid Additive Powder	244	0.41	3.25	2.2	2.0	Improvement of comfort	Passenger car pads
MOLYKOTE® D-55 Lubolid Additive Powder	235	0.43	3.21	2.8	2.0	Improvement of comfort	Passenger car pads
MOLYKOTE® D-78 Lubolid Additive Powder	222	0.45	3.16	1.6	2.0	Stabilization for friction at high speeds	Railroad brake blocks and passenger cars
MOLYKOTE® D-79 Lubolid Additive Powder	238	0.42	3.00	2.4	2.5	Reduction of disc wear	Passenger car pads

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