MOLYKOTE® G-Rapid Plus Solid Lubricant Paste

Solid lubricating paste with particularly low friction coefficient for assembly and running-in of metallic components

Features & benefits

- Low friction coefficient
- High pressure-absorption capacity
- Prevents seizure and scoring
- Suppresses stick-slip
- Reduces formation of fretting corrosion
- Facilitates disassembly
- Good coverage
- Provides emergency running performance

Composition

- Mineral oil
- Solid lubricants

Applications

Suitable for the press-fit production of all types of machine elements, as a running-in lubricant for new machines and gears, as permanent lubrication of machine elements that are submitted to slight or intermittent movement only, as well as for drilling, sawing and thread-cutting. Used to lubricate threaded spindles, splined shafts, tooth gearing, worm gearing, moving screws, fittings, pumps, guides on machine tools, as well as for fitting ball and roller bearings, pulleys, wheel flanges and bolts.

How to use

Clean the sliding surfaces or contact areas, then apply paste with a brush, cloth, synthetic sponge or window leather. Do not use in excess as with grease lubrication. Vigorous rubbing into metal surface will improve adhesion. Do not mix with greases or oils.

To enable this product to be applied more quickly and cleanly to larger areas, it is advisable to use the spray can.

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.

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[(1)]	Test	Unit	Result
	Color		Black
Consistency, density			
	Unworked penetration	mm/10	255-275
	Density at 20°C (68°F)	g/ml	1.40
Temperature			
	Service temperature	°C	-35 to +450
		°F	-31 to +842
Load-carrying capacity			
	Four-ball tester		
DIN 51 350 pt.4	Weld load	N	5,300
	Almen-Wieland machine OK load	N	> 20,000
Coefficient of friction			
	In bolted connection M12, 8.8 with blackened surface (Erichsen tester)		
	μ thread		0.10
	μ head		0.06
	Press-fit test	μ	0.05, no chatter
Resistance			
DIN 51 807 pt.1	Water resistance, static, evaluation		1-90

[(1)]DIN: Deutsche Industrie Norm.

Usable life and storage

When stored between 0°C and 40°C in the original unopened containers, this product has a usable life of 60 months from the date of production.

Packaging

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest MOLYKOTE® sales office or MOLYKOTE® distributor.

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