MOLYKOTE® P-40 (S) Paste Spray

Metal-free adhesive lubrication paste

Preliminary data*

Features

- Low coefficient of friction
- Assembly and continuous lubrication
- Contains corrosion protection
- Easy to apply
- No intentional polytetrafluoroethylene (PTFE) or per- and polyfluoroalkyl substances (PFAS)

Applications

Suitable for assembly and threaded connections, spline shafts, bearing mounting and continuous lubrication of brake system components, brake rods, guide bolts, axles of commercial vehicles, cams, plain bearings, open gears and marine applications. The spray format is particularly useful for targeted lubrication of components that are difficult to access with brush-applied products.

Description

MOLYKOTE® P-40 (S) Paste Spray can be used for all assembly and continuous lubricating jobs, particularly those exposed to corrosive environments such as splash water or humidity.

How to use

The contact points should be cleaned, wherever possible. Shake spray can before spraying. Paste should be sprayed precisely to lubricating points. Wait at least 15 minutes before operation. Do not spray on hot parts.

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	Test	Unit	Result
Color			Light brown
Spray rate, density			
	Spray rate (with tube)	g/min	115 - 145
	Density at 20°C (active matter)	g/cm^3	0.86 – 0.90
Temperature			
	Service temperature range(1)	°C	-40 to +230 (solids up to 1093°C)
Load carrying capacity, wear protection			
ASTM D5706-05	SRV test LCC	N	900
ASTM 5707-05	SRV test endurance		μ = 0.13 (120 min)
Coefficient of friction			
	Screw test (Schatz); coefficient of friction in bolt connection M12, 8.8 blackened		
	μ (head)		μ = 0.08
	μ (thread)		μ = 0.12
	K-factor		0.14
	Press-fit test		μ = 0.11

ASTM: American Society for Testing and Materials.
(1)After propellant/solvent evaporation.

*Data listed in this technical data sheet is preliminary because of a new formulation. Data will be validated over multiple batches to ensure statistical accuracy. Once completed, this statement will be removed.

Usable life and storage

MOLYKOTE® P-40 (S) Paste Spray has a usable life of 24 months when stored at or below 20°C in the original, unopened container.

Packaging

This product is also available as pure anti-seize paste that can be applied via brushing.

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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