

MOLYKOTE® HTF Dispersion

White dispersion of solid lubricants in mineral oil

Features

- High load-carrying properties
- Formation of a separating lubricant layer between tool and machine
- Wide temperature range (-20°C/-4°F to +1,150°C/2,102°F)
- The mineral oil content volatilizes at high temperatures without leaving any residue
- Extends the service life of tools

Composition

- Mineral oil
- Solid lubricant
- Stabilizer
- Thickener

Applications

Separation and lubrication at high temperatures. Used successfully for the hot-rolling of tools and the drop-forging of taper plugs made from Ms 58.

How to use

Stir well before use. Apply, without thinning, by means of a brush or spray, to cleaned machines or tool. Can also be applied using automatic spray units (tube cross section >3 mm).

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 20°C (68°F) in the original unopened containers, this product has a usable life of 12 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.

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		White
Density, viscosity			
DIN 53 217	Density at 20°C (68°F)	g/ml	0.86
4 DIN 53 211	Viscosity	s	29
Temperature			
	Service temperature range ⁽²⁾	°C °F	-20 to +1,150 -4 to +2,102
Load-carrying capacity, wear protection			
Four-ball tester (VKA)			
DIN 51 350 T.2	Weld load	N	2,100
DIN 51 350 T.3	Wear scar under 800 N load	mm	1.5

⁽¹⁾DIN: Deutsche Industrie Norm.

⁽²⁾Temperature resistance of solid lubricants.

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