

MOLYKOTE® AG-650 Grease

Synthetic grease

Features

- High load-carrying capability
- Good compatibility with plastics and rubber
- Wide service-temperature range (-40°C to 150°C)

Benefits

- Long-term lubrication
- Excellent wear resistance

Applications

Designed for planetary gearsets in the reduction unit of automotive starter motors – as well as other grease-lubricated machine elements, such as guides, splined shafts, and small gear units operating at slow speeds.

Description

MOLYKOTE® AG-650 Grease is a synthetic oil, lithium-thickened grease containing several different types of solid lubricants.

How to use

Clean load-bearing surfaces. Apply grease in normal way, using brush, grease gun, or automatic lubricating system. MOLYKOTE® AG-650 Grease can be used in centralized lubrication systems.

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

MOLYKOTE® AG-650 Grease has a shelf life of 36 months when kept in its original sealed container at temperatures above -18°C (0°F).

Packaging

MOLYKOTE® AG-650 Grease is supplied in 16 kg (35.2 lb) open-top pails.

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
Visual	Color		Yellow
JIS K2220	Penetration, worked 60	mm/10	280-320
JIS K2249	Specific gravity @ 25°C		0.89
JIS K2220	Bleed (24 h @ 100°C)	%	5.0
JIS K2220	Evaporation (22 h @ 99°C)	%	0.2
JIS K2220	Dropping point	°C	195
JIS K2220	Oxidation stability (100 h @ 99°C)	KPa	10
ASTM D130	Copper corrosion test (24 h @ 100°C)		1a
JIS K2220	Low temperature torque @ -40°C		
	Starting torque	mN*m	120
	Running torque	mN*m	54
ASTM D2266	Four ball test wear scar (1 h, 392N, 1,200 rpm)	mm	0.45
ASTM D2596	Four ball test weld load (1 min, 1,500 rpm)	N	4210

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