

# Lanopro Universal Grease 54

## Grease



Product Data Sheet - 2010.12.06



EXTREME  
PRESSURE



CORROSION  
PROTECTION



ENVIRONMENTALLY  
FRIENDLY

### CLASSIFICATION

DIN 51502  
ISO 6743  
SS 15 54 70

KPE2N-30  
ISO-L-XCDIB2  
Environmental Class B

## Description

**Lanopro Universal Grease 54** is a lithium complex thickened lubricating grease based on biodegradable esters. The grease contains antioxidants, corrosion inhibitors and, EP/AW additives based on bismuth technology. The thickener, together with the biodegradable synthetic base oil, makes the product suitable for both high and low temperature applications. The complex soap structure also gives the product a high degree of mechanical stability. This enhances performance in vibrating housings and prolongs re-lubrication intervals. The specially developed bismuth additive package gives the grease a very high load carrying capacity and excellent wear protection.

**Lanopro Universal Grease 54** is a modern high performance biodegradable grease for both industrial and automotive applications. The product's all-round properties make it the primary choice for various types of bearing applications especially in cases with "lost lubrication".

- Very good mechanical stability
- High load carrying capacity
- Good corrosion protection
- Readily biodegradable

## Physical and Chemical Data

Analysis	Method	Results
Thickener		Lithium Complex
Base Oil		Biodegradable esters
Colour		Brown
NLGI Grade	ASTM D217	2
Dropping point	IP 396	>260°C
Base oil viscosity at 40°C	ISO 12058	295 mm <sup>2</sup> /s
Base oil viscosity at 100°C	ISO 12058	36 mm <sup>2</sup> /s
4-ball weld load	DIN 51350:4	2800 N
Temperature range		-30°C to +140°C Max +180°C
Penetration 60 strokes	ISO 2137	265-295
Penetration 100.000 strokes	ISO 2137	+25
Shell roll stability 50h/80°C	ASTM D183	+50
SKF Emcors distilled water	ISO 11007	0-0
SKF Emcors salt water	ISO 11007	0-0
SKF Emcors WWO distilled water	ISO 11007 mod	0-0
SKF Emcors WWO salt water	ISO 11007 mod	2-3
Water resistance	DIN 51807/1	1-90
Separation 168h/40°C	IP 121	2%
SKF R2F test A	SKF	Pass
SKF R2F test B at 140°C	SKF	Pass
4-ball wear scar (1h at 400N)	DIN 51350:5	0.7 mm
Approx. density at 20°C	IPPM-CS/03	0.97

## Handling

- **Storage** Handling and storage temperatures (0°C to 40°C)
- **Packaging** 400g - 18kg - 180kg drums. Bulk on request.

ID No: D 100 125:2

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