

# SYNTHESO® GLK 1 PF

Synthetic Sliding and Sealing Grease

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## Major Applications:

- Assembly and lubricating grease in automotive brake systems
- Guide surface lubrication
- Slow speed sliding bearings
- Small plastic gear components
- Lubrication of EPDM seals

## Feature:

- Anti-corrosion properties
- Excellent seal compatibility
- Low apparent dynamic viscosity / High worked penetration
- Special solid lubricants

## Benefit:

- Protection against both environmental and tribo-corrosion
- Prevents elastomer property fluctuation
- Excellent for use on sliding friction points
- Low sliding friction
- Reduces / eliminates stick-slip

**Method of Application:** Automatic lubrication systems  
Manual grease packing

**Container Sizes:** 25 kilogram pail



**Technical Data:**

<u>Characteristic</u>	<u>Typical Performance</u>	<u>Test Specification</u>
Base Oil	polyalkylene glycol	
Thickener	lithium	
id Lubricants	PTFE	
Structure	fibrous, homogeneous	
Color	creamy beige	
Specific Gravity, 20°C	approx. 1.00	
Service Temperature Range, (°C)	-40 to 150	
Drop Point, (°C)	approx. > 250	DIN ISO 2176
Worked Penetration at 25°C (0.1 mm)	approx. 300	DIN ISO 2137
NLGI Grade	1	DIN 51818
Apparent Dynamic Viscosity shear rate 300 s <sup>-1</sup> at 25°C, (mPa•s)	light / medium	Rotary Viscometer Cone/Plate
Base Oil Viscosity, (mm <sup>2</sup> /s) at 40°C at 100°C	approx. 360 approx. 56	DIN 51561
Water Resistance 3 hours at 90°C, (rating)	0/1 - 90	DIN 51807
Dynamic Anti-Rust Test 1 week, distilled water, (rating)	0/1	DIN 51802 (EMCOR)
Copper Strip Corrosion 24 hours at 100°C, (rating)	1 - 100	DIN 51811
Flow Pressure at -40°C, (mbar)	approx. 1400	DIN 51805

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