

r.grea BMP 2

Lithium EP Grease, Easily Biodegradable – NLGI-Grade 2

Description **r.grea BMP 2** is a high performance EP grease based on biodegradable synthetic esters.

Application and Properties **r.grea BMP 2** suits for lubrication of roller and friction bearings under extreme pressure load and also shocks and vibrations under normal and increased temperatures; basically there, where excessive and displaced grease may enter the soil, sewage systems or waters.

Advantages:

- resistant to oxidation
- good pumpable in central lubricating systems
- high stability
- water resistant
- corrosion resistant
- high pressure load capacity
- good adhesiveness

Technical Data

Thickener		Lithium-Soap
Operating temperature for long-term lubrication		-35 to +120°C
Short time admissible temperature peak value		+130°C
Permanent temperatures above 120°C require regreasing at shorter intervals subject to thermal load.		
Drop point	ASTM D 2265	185°C
Worked penetration after 60 strokes	ASTM D 217	265 to 295 1/10 mm
Type of base oil		Synthetic esters
Base oil viscosity at 40°C	ASTM D 445	100 mm ² /s
Water resistance	DIN 51 807-01	1 – 90
SKF Emscor Test	IP 220/85	Corrosion degree 0/0
FAG-FE9 - Test	DIN 51821-02-A/ 1500/6000-120	F ₅₀ = 175 h
4 ball Test, welding load	DIN 51 350-04	2800 N
4 ball Test, wear parameter	DIN 51 350-05-D	0,51 mm
Biodegradability	OECD 301 B	78 %
Designation	DIN 51 502	KPE 2 K-30

Subject to modification of the technical data. Please refer to the material safety data sheet for additional information or contact our application engineers.

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