

r.tecc Norplex VSP 2

Lithiumcomplex-Calcium EP Grease – NLGI-Grade 2

Description

r.tecc Norplex VSP 2 is a natural coloured Lithiumcomplex-Calcium Grease with EP additives, based on high quality mineral oil.

Application and Properties

r.tecc Norplex VSP 2 suits for lubrication of roller and friction bearings in a wide temperature range and especially for the bearing-lubrication under high thermal and mechanical loads.

r.tecc Norplex VSP 2 offers a high mechanical stability, even at the presence of water. It provides thus for a good sealing of bearings at humid operating conditions.

Application examples:

Lubrication of bearings in the wet wire section and in the hot dryer section of paper-machines, adjustable mechanism in wind-powered devices, bearings of electric motors, pumps, forging presses, calanders, lubrication of thermally high loaded bearings in the steel industry.

Advantages:

- pumpable in central lubricating systems
- high thermal resistance
- water resistant
- high mechanical stability
- good corrosion protection
- high pressure load capacity
- the grease meets the requirements of the specification VN 108 of Voith Paper for the use in wet and dry areas of paper machines

Technical Data

Thickener		Lithiumcomplex-Calcium
Operating temperature for long-term lubrication		-25 to +150°C
Short time admissible temperature peak value		+200°C
Permanent temperatures above 150°C require regreasing at shorter intervals subject to thermal load		
Drop point	ASTM D 2265	> 250°C
Worked penetration after 60 strokes	ASTM D 217	265 to 295 1/10 mm
Penetration loss after 10 ⁵ strokes	ASTM D 217	< 30 1/10 mm
Penetration loss after 10 ⁵ strokes with 20% water	ASTM D 217	< 50 1/10 mm
Type of base oil		Mineral oil
Base oil viscosity at 40° C	ASTM D 445	420 mm ² /s
Water resistance	DIN 51 807-01	1 – 90
Emcor Test with 1% NaCl	IP 220/85	Corrosion degree 0/0
Copper Corrosion		Corrosion degree 1-150
FAG-FE9 - Test	DIN 51821-02-A/ 1500/6000-150	F ₅₀ > 100 h
FAG-FE8 - Test	DIN 51819-02 7,5 / 80 - 120	m _{wk} : 3 / 6 mg
Designation	DIN 51 502	KP 2 P-20

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

Edition

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Shanghai Ping Yiao Trading Co., Ltd.

TEL: 86 21 6470 5533 24H:15900706965

FAX: 86 21 6482 0538 <http://www.pingyiao.com> Email:info@pingyiao.com