repsol lubricants

Greases

PROTECTOR LITHIUM COMPLEX R2 V220

Description

High quality grease, formulated with highly refined mineral oil, thickened with complex lithium soap. Contains extreme pressure antioxidant and anticorrosive additives. It has been especially developed for the lubrication of industrial machinery elements where there are temperatures of up to 140 °C and with point temperatures of 160 °C.

• A lubricating grease for all types of mechanisms and bearings which are subject to high temperatures and which perform in conditions with heavy loads and pressures (sifter bearings, presses, ceramic and waste furnaces, mills, etc).
• Lubrication of vibrating rollers, asphalt spreaders, heat source coupling, roller boxes guide in lamination, etc.

Properties

• Excellent mechanical stability for applications at high temperatures.
• Totally insoluble in water.
• Great envelopment capacity
• Good anti-wear and extreme pressure properties.
• Excellent oxidation, corrosion and rust protection characteristics.

Quality levels, approvals and recommendations

- DANIELI STANDARD N. 0.000.001 - REV.15*
- DIN 51825 KP 2N-20
- GAMESA GEARBOX Industrial reductor*
- ISO 6743-9-L-X-BDHB2
- Loesche G*
- THYSSENKRUPP 60*

*Formal approval

Technical specifications

	UNIT	METHOD	VALUE
Consistency	NLGI		2
Type of thickener			Complex lithium
Base oil viscosity at 40 °C	cSt	ASTM D445	220
4 Ball EP, welding load	kg	IP 239	315
4 Ball wear, print diameter (1h/40 kg)	mm	IP 239	0.45
Corrosion Cu, 24h 100 °C	-	ASTM D4048	1a
Dropping point	°C	METTLER FP-83HT	295
Emcor corrosion test	-	DIN 51802	0-0
Penetration, 25 °C, 100.000 strikes worked	1/10 mm	ASTM D217	300
Penetration, 25 °C, 60 strikes worked	1/10 mm	ASTM D217	280
Timken machine load test OK	lb	ASTM D2509	60

The above mentioned characteristics are typical values and should not be considered product specifications.