repsol lubricants

Greases

PROTECTOR LITHIUM EP

Description

A grease which has been created from highly refined parrafin-based oils, thickened with lithium soap (hydroxystearate). Contains antioxidant, anticorrosive, anti-wear and extreme pressure additives.

- General industry greasing.
- Rolling-mills.
- Couplings, chains, guides and shearing bearings.
- All types of load and vibration supporting rollers (iron and steel industry mills, rolling-mills, mining and public works machinery).
- Field of application from -20 ºC to 120 ºC.

Properties

- Excellent mechanical stability, maintaining its properties during long periods of use.
- Water resistant.
- It allows the machinery to work in conditions where there are strong charges and shocks.
- Good anti-wear and extreme pressure properties.

Quality levels, approvals and recommendations

- DANIELI STANDARD N. 0.000.001 - REV.15 (R0V150, R1V150, R2V150)*
- DIN 51502 GP 0G-20 (R0V150)
- DIN 51825 KP 1K-20 (R1V150)
- DIN 51825 KP 2K-20 (R2V150)
- DIN 51825 KP 3K-20 (R3V150)
- ENGEL Engel Injection Moulding Machines (R2V150)*
- GAMESA GEARBOX Industrial reductor (R2V150)*
- Loesche G (R2V150)*
- NEGRI BOSSI ELEOS, eCANBIO JANUS Y VESTA series (R1V150, R2V150)*
- THYSSENKRUPP greases (R1V150, R2V150)*

*Formal approval

Technical specifications

	UNIT	METHOD	VALUE			
Consistency	NLGI		0	1	2	3
Type of thickener			Lithium	Lithium	Lithium	Lithium
Base oil viscosity at 40 ºC	cSt	ASTM D445	150	150	150	150
4 Ball EP, welding load	kg	IP 239	280	280	280	280
4 Ball wear, print diameter (1 min/80 kg)	mm	IP 239	0.45	0.45	0.45	0.45
Corrosion Cu, 24h 100 ºC	-	ASTM D4048	1a	1a	1a	1a
Dropping point	ºC	METTLER FP-83HT	185	190	195	200
Emcor corrosion test	-	DIN 51802	0-0	0-0	0-0	0-0
Penetration, 25 ºC, 100.000 strikes worked	1/10 mm	ASTM D217	380	337	290	253
Penetration, 25 ºC, 60 strikes worked	1/10 mm	ASTM D217	370	325	275	235
Timken machine load test OK	lb	ASTM D2509	60	60	60	60

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