



PROTECTOR LITHIUM EP

Description

A grease which has been created from highly refined paraffin-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 °C to 120 °C.

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

- ENGEL: Engel Injection Moulding Machines* (R2V150)
 - NEGRI BOSSI: ELEOS, eCANBIO JANUS Y VESTA series* (R1V150, R2V150)
 - THYSSENKRUPP: 55* (R2V150)
 - DIN: 51825 KP 1K-20 (R1V150)
 - DIN: 51825 KP 3K-20 (R3V150)
 - GAMESA GEARBOX* (R2V150)
 - THYSSENKRUPP: 49* (R1V150)
 - DIN: 51502 GP 0G-20 (R0V150)
 - DIN: 51825 KP 2K-20 (R2V150)
- *Formal approval



PROTECTOR LITHIUM EP

Technical specifications

	UNIT	METHOD	VALUE			
			R0 V150	R1 V150	R2 V150	R3 V150
Consistency	NLGI		0	1	2	3
Colour	-	Visual	Light brown	Light brown	Light brown	Light brown
Type of thickener			Lithium	Lithium	Lithium	Lithium
Base oil viscosity at 40 °C	cSt	ASTM D445	150	150	150	150
Penetration, 25 °C, 60 strikes worked	1/10 mm	ASTM D217	370	325	275	235
Penetration, 25 °C, 100.000 strikes worked	1/10 mm	ASTM D217	380	337	290	253
Dropping point	°C	ASTM D566	185	190	195	200
Corrosion Cu, 24h 100 °C	-	ASTM D4048	1a	1a	1a	1a
4 Ball wear, print diameter (1 min/80 kg)	mm	IP 239	0.45	0.45	0.45	0.45
4 Ball EP, welding load	kg	IP 239	280	280	280	280
Timken machine load test OK	lb	ASTM D2509	60	60	60	60
Emcor corrosion test		DIN 51802	0-0	0-0	0-0	0-0

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