



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

- * DIN: 51502 GP 0G-20 (R0 V150)
- * DIN: 51825 KP 1K-20 (R1 V150)
- * DIN: 51825 KP 2K-20 (R2 V150)
- * DIN: 51825 KP 3K-20 (R3 V150)
- * ENGEL: ENGEL (R2 V150)
- * GAMESA GEARBOX: Reductor Industrial* (R2 V150)
- * THYSENKRUPP: 49 (R1 V150)
- * THYSENKRUPP: 55 (R2 V150)
 - * Formal approval



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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	METTLER FP-83HT	185	190	195	200
Copper corrosion		ASTM D4048	1a	1a	1a	1a
4B wear test (1 min/80 kg), scar	mm	IP 239	0,45	0,45	0,45	0,45
EP properties 4B,weld point	kg	IP 239	280	280	280	280
Timken machine load test OK	lb	ASTM D2509	60	60	60	60
Emcor corrosion test		ASTM D6138	0-0	0-0	0-0	0-0

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