

Technical Data Sheet

Product Description

Rolcer Shieldex EP automotive and industrial grease is a high quality lithium based Extreme Pressure grease, processed from high quality base oils, extreme pressure additives with rust and oxidation inhibitors and anti-wear additives. It prevents welding and seizure of moving parts often caused by shock loading and resists water wash out. It is recommended for heavy duty bearing lubrication in construction, mining, steel, cement, rubber, sugar and paper industries. It is also recommended for heavy duty wheel bearings for trucks, buses etc.

Performance Specification

Rolcer Shieldex EP meets or exceeds the following performance requirement:

- NLGI 2 and 3
- DIN 51825 KP2K
- IS : 7623 – 1993 (second revision)

Features/Benefits

- Heavy load carrying capacity
- Ensures extended life of bearings
- Outstanding oxidation and thermal stability
- Imparts excellent rust protection and resistance to corrosion
- Excellent resistance to water wash out
- Noncorrosive to steel and copper

Typical Properties

Test Parameters	Units	ASTM Method	Typical Values	
			EP2	EP 3
Thickener Base			Lithium	Lithium
Base Oil			Mineral	Mineral
NLGI Consistency			2	3
Operating Temperature	°C		-20 to 130	-20 to 130
Worked Penetration @ 25 ⁰ C, mm		D217	280	238
Dropping Point	°C	D566	198	198
4 Ball EP Test Weld Point	kgf	D2566	315	315
Water Washout Test, 5 wt Loss @ 80 ⁰ C		D1264	2.2	2.0
Base Oil Properties	cSt	D445		
Viscosity @ 40 ⁰ C			150	165
Viscosity @ 100 ⁰ C			14.8	15.5
Oil Separation	% wt	D1742	1.0	1.0

Properties mentioned above are typical only, and minor variations which do not affect the product performances, are to be expected in normal manufacturing.

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