



## Grease Lithium Complex S HT & S HTH

Lithium complex grease with a synthetic base oil

### **Description**

Grease Lithium Complex S HT is a high efficiency grease providing bearing lubrication for a wide range of operating temperatures from -40 up to 180 °C . This grease is capable of working under very severe operating conditions with combination of speed, temperature and loads. Specially formulated with a synthetic base oil to provide high chemical and thermal resistance and a high lubricating capacity.

### **Applications**

- Bearings operated in applications with cooling water

- Paper industry
- Steel industry
- Cement and construction industry

### **Benefits**

- High compatibility with plastics and elastomers
- Excellent anti corrosive and anti oxidant properties
- Resistance to shearing and water washout
- Increased lubrication intervals
- Increased bearing life
- Superior performance as heavy duty grease



## Typical performance data

		S HT 1/2	S HTH 1/2
Colour		Ivory	
Thickener		Lithium complex	
Base oil nature		PAO+ester blend	
Base oil viscosity @ 40 °C, cSt		250	460
NLGI class	DIN 51818	1,5	1,5
Dropping point, °C	ASTM D566	>250	>250
Oil separation, 18h/140 °C		0.5	0,5
Penetration 60W, x 0,1 mm	ASTM D217	290-320	290-320
4-ball wear test	IP 239		
• Welding load, kg		240	240
• Wear scar diameter 1h/40kg, mm		0,60	0,6
EMCOR corrosion test	DIN 51802	1	1
Copper strip corrosion @ 24h/100 °C		1b	1b
Water washout @ 80 °C, %	ASTM D1264	7	7
Oxidation stability, 100 °C, kg/cm2	ASTM D942	0,5	0,5
Evaporation loss, 22hr/120 °C, %	ASTM D972	0,3	0,3
Flow pressure	DIN 51805		
• @ -35 °C, mbar		700	700
• @ -30 °C, mbar		750	750
Operating temperatures, °C		-40 – 180	-40-180