

AUTOMOTIVE AND INDUSTRIAL LUBRICATING GREASE

INA LIS Sint EP 2

General Description - Applications

INA LIS Sint EP 2 is lubricating grease with lithium soap, synthetic oil and additives to enhance EP properties, and to prevent corrosion and wear. Suitable for lubrication of loaded bearings and sliding elements at very low temperatures reaching down to $-55\text{ }^{\circ}\text{C}$. Recommended for lubrication of low-temperature instrument bearings and steel wire cables and locks. Suitable for use in temperature range from -55 to $140\text{ }^{\circ}\text{C}$.

Performance Level - Specifications

ISO-L-XEDHB 2
 DIN 51825 KPHC 2 N -50
 INA N 22-114 TIP 2

Properties	INA LIS Sint EP 2	Method
Kinematic Viscosity of Base Oil, mm ² /s - at 40 °C - at 100 °C	46 8	ISO 3104
NLGI number	2	
Appearance and Colour	White to light brown, homogenous	visual
Dropping Point, °C	200	ISO 2176
Worked penetration, 60 strokes at 25 °C, 0,1 mm	280	ISO 2137
Unworked penetration after 16 h at -40, 0,1 mm	145	ISO 2137
Corrosion (Cu, 100 °C, 3 h)	1 a	ISO 2160
Free alkali (as NaOH), mass. %	0,04	ASTM D 128
Mechanical stability, penetration change after 10 000 strokes, %	7	ISO 2137
Oxidation stability (99 °C, 100 h) - pressure drop, kPa	14	ASTM D 942
Oil separation (40 °C, 168 h) mass. %	4	IP 121
Four ball EP Test, Weld Point, (1 430 rpm, 10 s), N	3 150	ASTM D 2596
Wear Test, Four ball, Average scar diameter, (392 N, 1 200 rpm, 75 °C, 1 h), mm	0,50	ASTM D 2266

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.