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Product Data Sheet



NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current.

SYNTHETIC BASED LUBRICATING GREASE

SumTech® SG Series

SumTech® SG Series lubricating greases are heavy-duty multipurpose lubricating greases with development emphasis on long-term and lifetime lubrication of rolling element bearings under moderate to high load. The special lithium complex soap thickener and synthetic hydrocarbon base oil are proven components for high temperature operation. Special anti-oxidant blended additives provide oxidation stability at both low and high temperatures. Synergistic corrosion inhibitors offer protection for both ferrous and yellow metals which are commonly used in today's rolling element bearings.

PRODUCTS	SG-100	SG-220	SG-460
NLGI Grade	2	2	1.5
Color	Beige	Beige	Beige
Texture	Homogenous	Homogenous	Homogenous
Base Oil - <i>ASTM D 446</i>	Synthetic hydrocarbon	Synthetic hydrocarbon	Synthetic hydrocarbon
Viscosity at 40°C cSt	Approx 120	Approx 250	Approx 460
Viscosity at 100°C cSt	Approx 14	Approx 28	Approx 45
Thickener Type	Lithium complex soap	Lithium complex soap	Lithium complex soap
Density at 20°C g/cm3	0.90	0.87	0.87
Service Temperature	-40°F to 302°F -40°C to 150°C	-13°F to 266°F -25°C to 130°C	-13°F to 266°F -25°C to 130°C
Drop Point - <i>ASTM D 2265</i>	>250°C	>250°C	>250°C
Penetration Worked 60 ds	265-295 1/10 mm	265-290 1/10 mm	280-310 1/10 mm
Prolong worked 100,000 ds <i>ASTM D 217</i>	-	280-310 1/10 mm	290-320 1/10 mm
Oil Separation - <i>ASTM D6184</i>	-	< 5%	< 5%
4-Ball Weld load, kgf <i>ASTM D 2596</i>	-	>250	>250
Corrosion Preventative Properties EMCOR <i>ASTM D 6138</i>	<1	<1	<1
Copper Corrosion <i>ASTM D 4048</i>	1b	1b	1b
Timken OK Load, lbs <i>ASTM D 2509</i>	-	65	75

Shelf Life: Product shelf life is 3 years from the date of manufacture, after which the product should be recertified prior to use.