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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.

## MULTI-PURPOSE RED LUBRICATING GREASE

# SumTech® Multi-Red 220

*SumTech® Multi-Red 220 is a multi-purpose lithium complex lubricating grease with development emphasis on long-term and lifetime lubrication of rolling element bearings under moderate to high load. The lithium complex soap thickener and hydrocarbon base oil are proven components for good water resistance and high dropping points. Special anti-oxidant blended additives provide oxidation stability at both low and high temperatures.*

## Physical Properties

Product	Multi-Red-220
NLGI Grade	2
Color	Red
Texture	Homogenous
Base Oil	Mineral
Viscosity	
40°C cSt	Approx. 225
100°C cSt	Approx. 20
Viscosity Index	Approx. 95
Thickener Type	Lithium complex soap
Density at 20°C g/cm <sup>3</sup>	0.870
Service Temperature	-40°F to 285°F -40°C to 140°C
Drop Point - ASTM D 2265	Approx 280°C
Penetration Worked 60 ds	290 1/10 mm
Prolong worked 100,000 ds	300 1/10 mm
Oil Separation	< 3%
4-Ball Wear - ASTM D 2266	0.47mm, 0.47mm
4-Ball Load Wear Index	43
Last non seizure load	63-kg (0.31mm)
Last seizure load	250-kg (2.12mm)
Weld load, kg	500
Corrosion Preventative Properties	Pass
Corrosion Preventative Properties EMCOR	0/0
Copper Corrosion	1b
Timken OK Load, lbs	80

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