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P.O. Box 131359 • Tyler, CR 2120, Texas 75713, Phone 903.534.8021 • Fax 903.581.4376

# 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 as of October 23, 2006.

## SEMI- FLUID SYNTHETIC EP GEAR LUBRICANT

# SumTech PG-120

*SumTech PG-120 is a lithium thickened polyglycol semi-fluid gear grease for use in gear boxes which have issues with leakage. SumTech PG-120 contains special extreme pressure and anti-wear additives specifically designed for the sliding contact of gear teeth. The use of SumTech PG-120 will significantly reduce maintenance costs associated with topping off of gearboxes which have damaged seals and or cases. The semi-fluid grease provides excellent lubrication of gear sets while greatly reducing or eliminating lubricant loss. SumTech PG-120 is a perfect solution to the mining and off road industry where debris has damaged gear box seals and seal repair is not cost effective. The reduced lubricant loss not only is cost beneficial but also environmentally responsible. For proper operation of the gear set SumTech PG-120 must be used to replace polyglycol gear lubricants or proper draining of the gearbox will be required.*

Products	SumTech PG-120
Color	yellow
Texture	homogeneous
Base Oil	polyglycol
Base Oil Properties - <i>ASTM D 446</i>	
Viscosity at 40°C cSt	120
Viscosity at 100°C cSt	21
Viscosity Index	200
Thickener Type	lithium
Density at 20°C (g/cm <sup>3</sup> )	0.99
Service Temperature	-30°F to 277°F
NLGI Grade	0
Drop Point - <i>ASTM D 2265</i>	415°F
Penetration - <i>ASTM D 217</i>	
Worked 60 ds	355 - 385
Oil Separation - <i>ASTM D 6184</i>	<10%
4-Ball Wear - <i>ASTM D2266</i>	0.63 mm, 0.73 mm
Weld load, kg	400
Timken OK Load, lbs - <i>ASTM D2509</i>	70
Corrosion Preventative Properties - <i>ASTM D 1743</i>	Pass