

January 31, 2022

Klüber Lubrication NA LP • 9010 CR 2120 Tyler, Texas 75707 • Phone 903.534.8021 • sales@klsummit.com

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.

BARIUM COMPLEX LUBRICATING GREASE

SumTech® AQ-320

SumTech® AQ-320 is a Barium complex ISO 320 lubricating grease for use in wet environments. The special Barium complex thickener is resistant to steam and mild alkaline and acidic solutions preventing SumTech® AQ-320 from becoming washed out of the lubricating area. The nature of the special thickener system gives SumTech® AQ-320 a very tacky nature which is similar to the specific gravity of water, providing an unprecedented level of protection against water washout and corrosion. Premium anti-oxidants provide excellent thermal stability and a blend of corrosion inhibitors extend the excellent anti-corrosion nature inherent of the thickener. SumTech® AQ-320 is the grease of choice for marine, pulp and paper, and steel mill industries where exposure to water and aggressive media cannot be avoided. SumTech® AQ-320 is also suitable for use in sealing water valves, labyrinth seals, and rotary steam unions.

PRODUCT	AQ-320
NLGI Grade	2
Color	beige
Texture	homogeneous, fibrous
Base Oil	mineral oil
Base Oil Properties - <i>ASTM D 446</i>	
Viscosity at 40°C cSt	Approx 490
Viscosity at 100°C cSt	Approx. 31
Thickener Type	barium complex soap
Density at 20°C (g/cm ³)	0.98
Service Temperature	-10°F to 320°F
Drop Point, <i>ASTM D 2265</i>	>220°C(428°F)
Penetration, <i>ASTM D217</i>	
Worked 60 ds	245 - 275
Corrosion Preventative Properties, EMCOR - <i>ASTM D 6138</i>	<1 corrosion degree

Shelf Life: Product shelf life is 5 years from the date of manufacture, after which the product should be recertified prior to use.