

November 18, 2013

Klüber Lubrication NA LP • 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.

POLYUREA LUBRICATING GREASE

SumTech® EMB-160

SumTech® EMB-160 is semi-synthetic ISO 150 polyurea grease specifically designed for use in rolling element anti-friction bearings operating under extreme temperatures. The organic polyurea thickener system contains no metal ions which act as catalysts for oxidation. SumTech® EMB-160 was designed with special antioxidants and corrosion inhibitors to ensure long life of rolling bearings operating under severe temperature and high humidity. The extended service temperature range of -22°F to 320°F and high speed factor of 500,000 nDm makes SumTech® EMB-160 the ideal lubricating grease for electric motor bearings designed to be lubricated for life.

Physical Properties

PRODUCT	EMB-160
NLGI Grade	2
Color	beige
Texture	homogenous
Base Oil	synthetic hydrocarbon/ mineral oil
Base Oil Properties	
Viscosity at 40°C cSt	160
Viscosity at 100°C cSt	18
Viscosity Index	125
Thickener Type	polyurea
Density at 20°C (g/cm ³)	0.9
Service Temperature	-22°F to 320°F
Drop Point	>250°C(482°F)
Penetration-Worked 60 ds	265-295
Oil Separation	<5
4-Ball Wear	0.50 mm, 0.54 mm
Weld load	160 kg
Corrosion Preventative Properties	pass
Corrosion Preventative Properties, EMCOR	1
Copper Corrosion	1a

Shelf Life: Product shelf life is 2 years from the date of manufacture, after which the product should be recertified prior to use.