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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 as of October 23, 2006.

## 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 anti-oxidants 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.*

Products	SumTech EMB-160
Color	beige
Texture	homogenous
Base Oil	synthetic hydrocarbon/mineral oil
Base Oil Properties - <i>ASTM D 446</i>	
Viscosity at 40°C cSt	160
Viscosity at 100°C cSt	18
Viscosity Index	125
Thickener Type	polyurea
Density at 20°C (g/cm <sup>3</sup> )	0.9
Service Temperature	-22°F to 320°F
NLGI Grade	2
Drop Point - <i>ASTM D 2265</i>	>250°C(482°F)
Penetration - <i>ASTM D 217</i>	
Worked 60 ds	265-295
Oil Separation - <i>ASTM D 6184</i>	<5
4-Ball Wear - <i>ASTM D 2266</i>	0.50 mm, 0.54 mm
Weld load	160 kg
Corrosion Preventative Properties - <i>ASTM D 1743</i>	pass
Corrosion Preventative Properties, EMCOR - <i>ASTM D 6138</i>	1
Copper Corrosion - <i>ASTM D 4048</i>	1a