

UNIMAX R 2

UNIMAX R No. 2 is lithium complex grease designed to provide excellent heat resistance and longer service life. Made from carefully selected refined mineral oil, UNIMAX R No. 2 offers wider operating temperature range and better satisfies the lubrication life requirements for railcar main motor grease than conventional lithium grease. UNIMAX R No. 2 has successfully catered to the latest need of induction motors (VVVF), making a great contribution to realization of higher speed operation and shorter maintenance interval.

Typical analyses

Usage temperature range	- 20	150
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Test item	Test method	UNIMAX R 2
Thickener		lithium complex
Base oil		mineral oil
Base oil kinematic viscosity (100) mm ² /s	ASTM D 445	11.5
Appearance		yellowish brown, buttery
Worked penetration	ASTM D 217	280
Dropping point	ASTM D 566	260+
Copper strip corrosion (100 ,24h)	ASTM D 4048	pass
Evaporation loss (99 , 22h) mass%	ASTM D 972	0.35
Oil separation (100 , 24h) mass%	FTMS 791C - 321 Mod.	1.5
Oxidation stability (99 , 100h) kPa	ASTM D 942	29
Working stability	FTMS 791C - 313	322
Water washout (38 , 1h) mass%	ASTM D 1264	0.9
Low - temperature torque (0) N·cm Starting torque Running torque	ASTM D 1478 - 63	4.7 2.5
Corrosion preventive properties (52 , 48h)	ASTM D 1743 - 73	# 1

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KYODO YUSHI Co., LTD.

2 - 16 - 7 , Ginza,Chuo - ku, Tokyo 104-0061,Japan

Phone: (03) 3543 - 5814 Facsimile: (03) 3545 - 6259