MOTION & CONTROL™

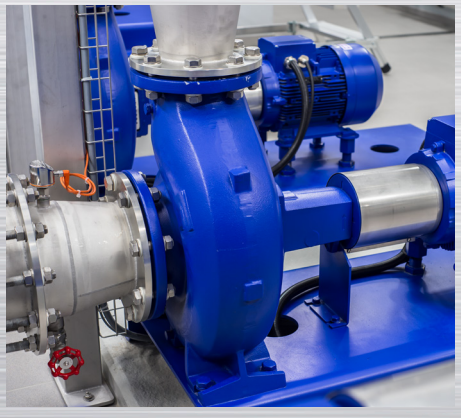
NSK



NSK GM2

Multi-Purpose Grease for Rolling Bearings

NSKGM2 is a lithium soap thickened mineral oil based grease which can be used for general industrial applications.







Temperature range from -10°C (*14 °F*) up to 110°C (*230 °F*)

Water resistant

Good corrosion inhibiting properties

Low evaporation

TECHNICAL INFORMATION

TEST ITEM		UNIT	VALUE	TEST METHOD
Visual Appearance			Yellowish Brown	
Soap Type			Lithium	
Base Oil Type			Mineral Oil	
Base Oil Viscosity	40°C 100°C	mm2/s mm2/s	170 15.5	ASTM D 445
Worked Penetration			265 - 295	ASTM D217
NLGI Consistency Class			2	ASTM D217
Dropping Point		°C	207	ASTM D566
Copper Strip Corrosion	100°C, 24h		Pass	ASTM D4048
Evaporation Loss	100°C, 22h	%	0.15	ASTM D972
Oil Separation	100°C, 24h	%	2.5	ASTM D6184
Oxidation Stability	99°C, 100h	kPa	25	ASTM D942
Working Stability	10^4W		325	ASTM D217
Water Washout	79°C, 1h		2.0	ASTM D1264
Low Temperature torque	Starting	N - m	0.252	ASTM D1478
@ -20°C	Running	N - m	0.054	ASTM D1478
Rust Protection	52°C, 48h		#1	ASTM D1742-73

REFERENCE AND PACKAGING

NSK GM2 - 1KG

- NSK
- GM2: MULTI GREASE NLGI2
- 1KG: PACKING WEIGHT

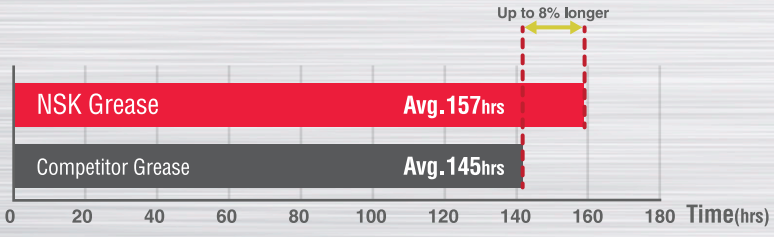
Packaging Size



TECHNICAL CHART

Grease Name	NSK GM2
Load Type	Light
Seizure Resistance	○
Wear Resistance	–
Low Temperature	◎
Load Resistance	○
Fretting Resistance	–
Anti-Rust Resistance	○
Oxidation Stability	◎

FE9 Test for Bearing Performance



Result versus Competitor Grease

*Legend:
– :Not applicable ○:Equivalent performance ◎:NSK product has superior performance

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MOTION & CONTROL™

NSK



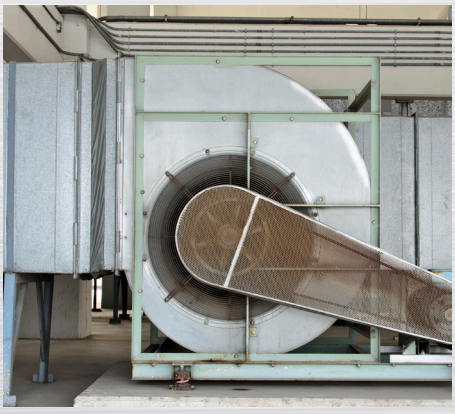
NSK GM3

Multi-Purpose Grease for Rolling Bearings

NSKGM3 is a lithium soap thickened mineral oil based grease which can be used for general industrial applications.







Temperature range from -10°C (*14 °F*) up to 110°C (*230 °F*)

Water resistant

Good corrosion inhibiting properties

Low evaporation

TECHNICAL INFORMATION

TEST ITEM		UNIT	VALUE	TEST METHOD
Visual Appearance			Yellowish Brown	
Soap Type			Lithium	
Base Oil Type			Mineral Oil	
Base Oil Viscosity	40°C 100°C	mm2/s mm2/s	170 15.5	ASTM D 445
Worked Penetration			222 - 250	ASTM D217
NLGI Consistency Class			3	ASTM D217
Dropping Point		°C	210	ASTM D566
Copper Strip Corrosion	100°C, 24h		Pass	ASTM D4048
Evaporation Loss	100°C, 22h	%	0.15	ASTM D972
Oil Separation	100°C, 24h	%	1.0	ASTM D6184
Oxidation Stability	99°C, 100h	kPa	25	ASTM D942
Working Stability	10^4W		290	ASTM D217
Water Washout	79°C, 1h		0.5	ASTM D1264
Low Temperature torque	Starting	N - m	0.461	ASTM D1478
@ -20°C	Running	N - m	0.068	ASTM D1478
Rust Protection	52°C, 48h		#1	ASTM D1742-73

REFERENCE AND PACKAGING

NSK GM3 - 1KG

- NSK
- GM3: MULTI GREASE NLGI 3
- 1KG: PACKING WEIGHT

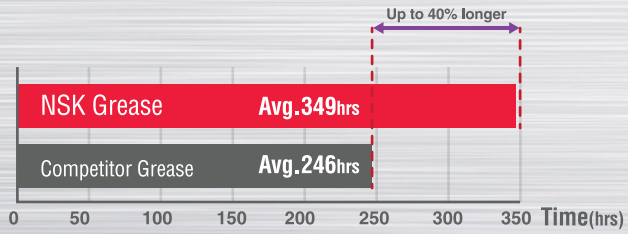
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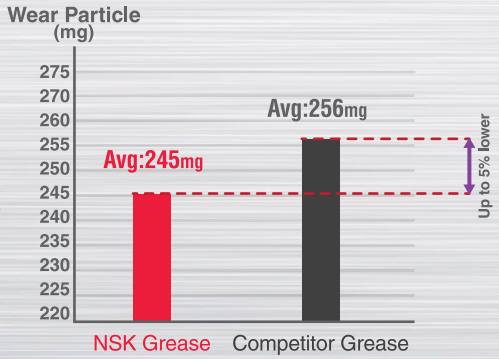
TECHNICAL CHARTS

Grease Name	NSK GM3
Load Type	Light
Seizure Resistance	◎
Wear Resistance	◎
Low Temperature	◎
Load Resistance	○
Fretting Resistance	–
Anti-Rust Resistance	○
Oxidation Stability	◎

FE9 Test for Bearing Performance



FE8 Test for Residual Wear Particle Amount



Result versus Competitor Grease

*Legend:
–:Not applicable ○:Equivalent performance ◎:NSK product has superior performance

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MOTION & CONTROL™

NSK



NSK GP2

High Pressure Grease for Rolling Bearings

NSKGP2 is a lithium soap thickened mineral oil based grease which can be used for heavy industrial applications.







Temperature range from -10°C (*14 °F*) up to 110°C (*230 °F*)

Water resistant

Good corrosion inhibiting properties

Low evaporation

Extreme pressure additives

TECHNICAL INFORMATION

TEST ITEM		UNIT	VALUE	TEST METHOD
Visual Appearance			Yellowish Brown	
Soap Type			Lithium	
Base Oil Type			Mineral Oil	
Base Oil Viscosity	40°C 100°C	mm2/s mm2/s	170 15.5	ASTM D 445
Worked Penetration			265 - 290	ASTM D217
NLGI Consistency Class			2	ASTM D217
Dropping Point		°C	207	ASTM D566
Copper Strip Corrosion	100°C, 24h		Pass	ASTM D4048
Evaporation Loss	100°C, 22h	%	0.15	ASTM D972
Oil Separation	100°C, 24h	%	1.0	ASTM D6184
Oxidation Stability	99°C, 100h	kPa	29	ASTM D942
Working Stability	10^4W		325	ASTM D217
Water Washout	79°C, 1h		2.0	ASTM D1264
Rust Protection	52°C, 48h		#1	ASTM D1742-73

REFERENCE AND PACKAGING



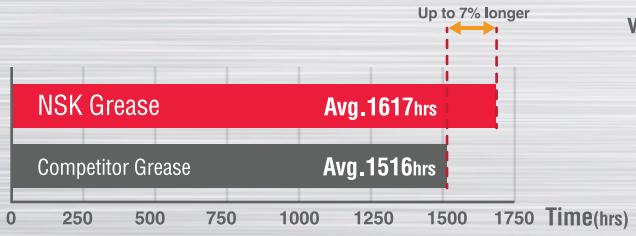
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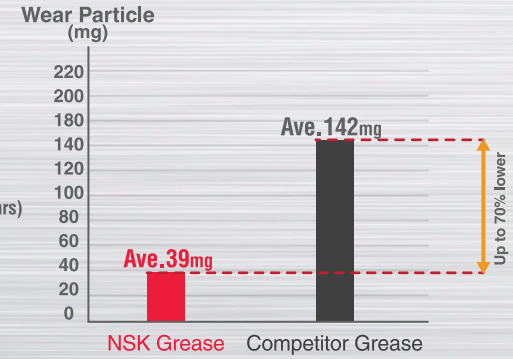
TECHNICAL CHARTS

Grease Name	NSK GP2
Load Type	Heavy
Seizure Resistance	○
Wear Resistance	◎
Low Temperature	◎
Load Resistance	○
Fretting Resistance	◎
Anti-Rust Resistance	○
Oxidation Stability	◎

FE9 Test for Bearing Performance



FE8 Test for Residual Wear Particle Amount



Result versus Competitor Grease

*Legend:
–:Not applicable ○:Equivalent performance ◎:NSK product has superior performance

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