



PRODUCT INFORMATION SHEET

WYNN'S MULTI-PURPOSE GREASE

Product Number: 50901 50 x 396 g

WYNN'S MULTI-PURPOSE GREASE is a premium NLGI No. 2 grade consistency, lithium soap based grease designed for use in a wide variety of applications. Wynn's Multi-Purpose Grease is formulated with the unique Wynn's Friction Proofing package.

Advantages

Wynn's Multi-Purpose Grease contains the following chemical additives and is formulated to provide the benefits listed under each ingredient.

ANTI-WEAR EXTREME PRESSURE AGENTS:

- Provide high temperature extreme pressure properties to opposing metal components subjected to extreme loads and high temperatures.
- Reduce component wear between opposing surfaces during periods of high temperature loading.
- Extend component life by preventing wear.
- Provide protection over a wide range of operating temperatures under high load conditions.
- Prevent scuffing and galling.

OXIDATION INHIBITORS:

- Extend grease life by reducing oxidation.
- Reduce the formation of high temperature deposits.

RUST AND CORROSION INHIBITORS:

- Prevent rust and corrosion of metallic components under humid and wet conditions.
- Extend component life by preventing rust and corrosion.

Wynn's Multi-Purpose Grease is also formulated to provide the following advantages:-

- Separate opposing metal surfaces, thereby reducing wear.
- Be highly resistant to water washout.
- Have a dropping point in excess of 180°C.
- Be stable over a wide temperature range.
- Resist breakdown as a result of mechanical action.
- Meet the requirements of NLGI grade No. 2.

Applications

Wynn's Multi-purpose Grease meets the lubrication requirements of a wide variety of applications that call for a No. 2 consistency grease.

- Bearings - industrial and automotive.
- Grease lubricated journals.
- Flexible gear couplings.
- Ball and universal joints.
- Shackles, pins, torsion bars and hubs.

Wynn's Multi-purpose Grease is particularly suited to industry and fleet applications that include the agriculture, mining and marine industries.

Wynn's Multi-purpose Grease is compatible with most lithium soap based greases but for best results, removal of the old grease is recommended.

Apply using commercially available grease dispensing equipment depending on the specific application.

Typical Characteristics

PROPERTY	TEST METHOD	TYPICAL
NLGI Grade	-	No. 2
Colour	-	Ruby Red
Texture	-	Smooth
Thickener Type	-	Lithium Soap
Penetration at 25°C (mm/10) Unworked Worked, 60 Strokes Worked, 100,000 Stokes (Change %)	ASTM D 217	270 275 + 8
Dropping Point (°C)	ASTM D 2265	193
Roll Stability Penetration (Change %)	ASTM D 1831	Nil
Leakage, Wheel Bearing (65g Packed) at 163°C (g)	ASTM D 4290	5.0
Water Washout (% loss)	ASTM D 1264	10
Oil Separation (% mass)	ASTM D1742	10
Oxidation Stability Pressure drop at 100 hours (kPa)	ASTM D 3336	26
Rust Prevention (Rating)	ASTM D 1743	1,1,1
Timken OK Load (kg)	ASTM D 2509	23
4-Ball EP Test Load Wear Index (kg) Weld Point (kg)	ASTM D 2596	40 250
4-Ball Wear Test, scar (mm)	ASTM D 2266	0.50
Base Oil Viscosity at 40°C (cSt) at 100°C (cSt)	ASTM D 445	237 14.0
Base Oil Viscosity Index	ASTM D 567	75
Base Oil Flash Point (°C)	ASTM D 92	220
Operating Range (°C)		-23 to 160
Copper Strip Corrosion 3 hours @ 100°C	ASTM D 130	1b

Compatibility

The following table gives the compatibility of Wynn's Multi-Purpose Grease (with its lithium simple soap thickener) with other greases.

Thickener	Aluminium Complex	Barium Complex	Calcium Simple	Calcium Sulphonate Complex	Bentonite Clay	Lithium Simple	Lithium Complex	Polyurea	Sodium
Aluminium complex	C	I	I	I	I	B	B	B	I
Barium complex	I	C	I	I	I	I	I	I	I
Calcium Simple	I	I	C	C	I	C	C	C	I
Calcium Sulphonate Complex	I	I	C	C	I	B	B	B	I
Bentonite Clay	I	I	I	I	C	I	I	I	I
Lithium Simple	B	I	C	B	I	C	C	B	B
Lithium Complex	B	I	C	B	I	C	C	B	B
Polyurea	B	I	C	B	I	B	B	C	I
Sodium	I	I	I	I	I	B	B	I	C

I: Incompatible.

C: Compatible.

B: Borderline, sample should be checked.*

* It is always good industry practice not to mix different brands of greases, and to clean or purge previous greased lubrication systems.