



PRODUCT DATA SHEET



NO-TOX[®] HD FOOD GRADE GREASE

No-Tox HD Food Grade Grease, commonly known as No-Tox HD Grease, is a white mineral oil based, aluminum complex grease. **No-Tox HD Food Grade Grease** is NSF H1 registered for use where incidental food contact may occur. **No-Tox HD Food Grade Grease** is fortified with low friction lubricating solids, Extreme Pressure and anti-wear additives, rust and corrosion inhibitors and a special polymer for tackiness and improved resistance to water washout. **No-Tox HD Food Grade Grease** is an excellent general purpose grease for the "clean" industries such as food, beverage, pharmaceutical and personal care products. **No-Tox HD Food Grade Grease** has the ability to continue providing exceptional film strength in extreme pressure situations even after water wash-downs.

Applications

- ◆ Plain and anti-friction bearings
- ◆ Bushings, slides, guides and other moving parts
- ◆ Extreme Pressure applications
- ◆ Wet and wash down areas
- ◆ Most heavy-duty grease applications in food, beverage and pharmaceutical plants

Features and Benefits

- | | |
|---|---|
| ◆ NSF H1 registered | Use where incidental food contact may occur. |
| ◆ Compliances | Kosher and Pareve approved. Halal certified. |
| ◆ Bacteriological protection | Effectively inhibits the growth of certain bacteria, yeast and mold in the lubricant. |
| ◆ Aluminum complex thickener and special polymers | Virtually waterproof. Performs even after wash downs. |
| ◆ Extreme Pressure and anti-wear properties | Maximizes component life helping to reduce replacement part costs and lost production time. |

General Description

No-Tox HD Food Grade Grease is a high performance, adhesive, general purpose grease developed for the food and beverage industries. **No-Tox HD Food Grade Grease**, formulated with the highest quality USP white mineral oils and food grade additives, meets NSF H1 and FDA requirements for materials that may have incidental contact with food as defined under Title 21 CFR, 178.3570. It is Kosher and Pareve approved, as well as Halal certified.

Product No. 62220, 62210, 62270, 62280

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With continual research and development, Bel-Ray Company, Inc. reserves the right to change the information contained herein. The Company is not responsible for misuse or misapplication of its products.

NO-TOX[®] HD FOOD GRADE GREASE

TYPICAL PROPERTIES

<u>Product No.</u>	<u>62220</u>	<u>62210</u>	<u>62270</u>	<u>62280</u>
NLGI Grade	00	0	1	2
Penetration, worked (60 strokes), ASTM D217 mm/10	415	370	325	280
Thickener Type	Aluminum Complex	Aluminum Complex	Aluminum Complex	Aluminum Complex
Viscosity (Base Fluid), ASTM D445 @ 40°C, cSt	208	208	208	208
@ 100°C, cSt	18.5	18.5	18.5	18.5
Viscosity (Base Fluid), ASTM D2161 @ 100°F, SUS	1100	1100	1100	1100
@ 210°F, SUS	94.7	94.7	94.7	94.7
Viscosity Index (Base Fluid), ASTM D2270	98	98	98	98
Dropping Point, ASTM D2265 °C	--	240	>260	>260
(°F)	--	(464)	(>500)	(>500)
Oxidation Stability, ASTM D942 Pressure drop @ 100 hrs, kPa (psi)	21 (3)	21 (3)	21 (3)	21 (3)
Lubricating Solids Type	PTFE, ZnO	PTFE, ZnO	PTFE, ZnO	PTFE, ZnO
Oil Separation, ASTM D6184 @ 100°C (212°F), 30 hrs, weight %	--	7.55	6.67	4.14
Water Washout, ASTM D1264 @ 79°C (175°F), loss, weight %	--	5.5	4.5	2.5
4-Ball EP Test, ASTM D2596 Weld Load, kg	250	250	250	250

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TYPICAL PROPERTIES

<u>Product No.</u>	<u>62220</u>	<u>62210</u>	<u>62270</u>	<u>62280</u>
4-Ball Wear Test, ASTM D2266 @ 1200 rpm, 40 kg, 1 hr, 75°C Scar diameter, mm	0.45	0.45	0.45	0.45
Flash Point (Base Fluid), ASTM D92 °C (°F)	250 (482)	250 (482)	250 (482)	250 (482)
Pour Point (Base Fluid), ASTM D97 °C (°F)	-9 (15)	-9 (15)	-9 (15)	-9 (15)
Useful Temperature Range °C (°F)	-9 to 177 (15 to 350)	-9 to 177 (15 to 350)	-9 to 177 (15 to 350)	-9 to 177 (15 to 350)
Rust Protection, ASTM D1743	Pass	Pass	Pass	Pass
Density, ASTM D1475 @ 16°C (60°F), lb/gal	7.30	7.40	7.50	7.61
Texture	Smooth, Tacky	Smooth, Tacky	Smooth, Tacky	Smooth, Tacky
Color	White	White	White	White