



PRODUCT DATA SHEET



BEL-RAY[®] NO-TOX[®] SYNTHETIC EP GREASE

Bel-Ray No-Tox Synthetic EP Grease is a fully synthetic, tacky, heavy-duty, extreme pressure, general purpose grease with excellent resistance to water washout, in addition to its exceptional anti-wear and extreme pressure properties. It is formulated to provide longer service at elevated temperatures than conventional mineral oil-based greases.

Applications

- ◆ Plain, roller, needle and anti-friction bearings
- ◆ Bushings, cams, ways, sliding surfaces and pivot points
- ◆ Most heavy-duty and extreme pressure grease applications in food and beverage plants where extreme pressure performance is required

Features and Benefits

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| ◆ NSF H1 registered | Use where incidental food contact may occur. |
| ◆ Bacteriological protection | Effectively inhibits the growth of certain bacteria, yeast and mold in the lubricant. |
| ◆ Fully synthetic | Long life, extended lubricating intervals, low temperature pumpability. |
| ◆ Extremely waterproof | Protects machine components subjected to high moisture operating conditions and wash-down procedures. |
| ◆ Mechanically stable | Retains its original consistency. |
| ◆ Wide temperature range | Useful temperature range -50°C to 204°C (-58°F to 400°F). |
| ◆ Excellent anti-wear properties | Extends the life of machine components. |
| ◆ Excellent extreme pressure properties | Good shock load and boundary lubrication. |

General Description

Bel-Ray No-Tox Synthetic EP Grease is engineered for use when industry demands are beyond the capability of white mineral oil-based products. It is available in four (4) consistencies. It is formulated to replace many conventional greases in moderate- and high temperature applications found in the "clean" industries such as food, beverage, pharmaceutical and personal care products. It contains an extreme pressure additive system along with excellent oxidation- and corrosion inhibitors. **Bel-Ray No-Tox Synthetic EP Grease**, formulated with the highest quality ingredients, 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. 65360, 65370, 65380, 65390

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TYPICAL PROPERTIES

<u>Product No.</u>	<u>65360</u>	<u>65370</u>	<u>65380</u>	<u>65390</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	220	220	220	220
@ 100°C, cSt	23.4	23.4	23.4	23.4
Viscosity (Base Fluid), ASTM D2161 @ 100°F, SUS	1146	1146	1146	1146
@ 210°F, SUS	116	116	116	116
Viscosity Index (Base Fluid), ASTM D2270	132	132	132	132
Dropping Point, ASTM D2265 °C	>204	>204	>232	>260
(°F)	(>400)	(>400)	(>450)	(>500)
Copper Strip Corrosion, ASTM D4048 24 hrs @ 100°C, rating	1b	1b	1b	1b
Water Washout, ASTM D1264 @ 79°C (175°F), loss, weight %	--	<10.0	<8.0	<5.0
4-Ball EP Test, ASTM D2596 Weld Load, kg	500	500	500	500
4-Ball Wear Test, ASTM D2266 @ 1200 rpm, 40 kg, 1 hr, 75°C Scar Diameter, mm	0.35	0.35	0.35	0.35
Rust Protection, ASTM D1743, rating	Pass	Pass	Pass	Pass
Useful Temperature Range °C	-50 to 204	-45 to 204	-40 to 204	-35 to 204
(°F)	(-58 to 400)	(-49 to 400)	(-40 to 400)	(-31 to 400)
Density, ASTM D1475, @ 16°C (60°F), lb/gal	7.10	7.15	7.18	7.20
Texture	Tacky	Tacky	Tacky	Tacky
Color	White	White	White	White