



# PRODUCT DATA SHEET



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## NON-MELT EXTREME PRESSURE GREASE

**Non-Melt Extreme Pressure Grease**, commonly known as Bel-Ray Amber EP Grease, is a mineral oil based, organo-clay grease. **Non-Melt Extreme Pressure Grease** is fortified with Extreme Pressure and anti-wear additives that provide excellent protection against wear in high load applications, and a rust inhibitor to protect against rust and corrosion. Being an organo-clay thickened grease, **Non-Melt Extreme Pressure Grease** provides excellent high temperature and water resistance properties.

### *Applications*

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- ◆ Bearings operating up to 204°C (400°F)
- ◆ Bearings operating in wet environments
- ◆ Automated and centralized greasing systems

### *Features and Benefits*

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| ◆ Organo-clay thickener                     | Mechanically stable. High dropping point and low oil separation for superior retention.     |
| ◆ Rust and corrosion inhibited              | Provides rust and corrosion protection in harsh environments.                               |
| ◆ Extreme Pressure and anti-wear properties | Maximizes component life helping to reduce replacement part costs and lost production time. |
| ◆ Oxidation resistance                      | Longer lubricant life.  |
| ◆ Adhesive and water resistance             | Superior retention. Won't wash off.   |

### *General Description*

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**Non-Melt Extreme Pressure Grease** is a mineral oil based non-melting grease that is formulated for optimum Extreme Pressure and anti-wear performance, water resistance, adhesion, mechanical stability, corrosion protection and oxidation resistance.

**Non-Melt Extreme Pressure Grease** is designed for use in plain and anti-friction bearings.

### *Product No. 301537, 301538*

# NON-MELT EXTREME PRESSURE GREASE

## TYPICAL PROPERTIES

<b><u>Product No.</u></b>	<b><u>301537</u></b>	<b><u>301538</u></b>
<b><u>Old Product No.</u></b>	<b><u>55700</u></b>	<b><u>55720</u></b>
NLGI Grade	1	2
Penetration, worked (60 Strokes), ASTM D217 mm/10	315	275
Thickener Type	Organo-clay	Organo-clay
Viscosity (Base Fluid), ASTM D445		
@ 40°C, cSt	177	177
@ 100°C, cSt	16.2	16.2
Viscosity (Base Fluid), ASTM D2161		
@ 100°F, SUS	933	933
@ 210°F, SUS	84.8	84.8
Dropping Point, ASTM D2265 °C (°F)	>260 (>500)	>260 (>500)
Copper Strip Corrosion, ASTM D4048 24 hrs @ 100°C, rating	1b	1b
Oxidation Stability, ASTM D942 Pressure Drop @100 hrs, kPa (psi)	20.7 (3)	20.7 (3)
Grease Mobility, USS Method		
@ -12°C (10°F), gram/minute	20.4	5.77
@ -18°C ( 0°F), gram/minute	7.6	2.33
4-Ball EP Test, ASTM D2596 Weld Load, kg	250	315
4-Ball Wear Test, ASTM D2266 @1200 rpm, 40 kg, 1 hr, 75°C Scar diameter, mm	0.45	0.45
Rust Protection, ASTM D1743, rating	Pass	Pass
Useful Temperature Range		
°C	-18 to 204	-15 to 204
(°F)	(0 to 400)	(5 to 400)
Color	Red	Red