



SHELL DARINA[®] GREASES EP

Multipurpose non-soap extreme pressure greases for lubrication of bearings operating at elevated temperatures

Product Description

Shell Darina[®] Greases EP are multipurpose, non-soap greases. They give excellent lubrication for extended time periods, in wet or dry applications, and over a wide range of temperatures. They are also formulated to give extreme pressure (EP) characteristics.

Shell Darina[®] Greases EP are based on the Microgel[®] inorganic thickening agent system developed by Shell. The Microgel thickener is free from many of the limitations of soap-type thickeners, since it does not melt, dissolve, or lose its thickening power from shear-down. Because of the Microgel thickener's excellent superior characteristics, **Shell Darina[®] Greases** are used in a wider variety of applications than most soap-based greases.

Applications

- industrial grease-lubricated machinery at temperatures up to 250°F (350°F with frequent lubrication)
- ball, roller, and sleeve bearings, as well as sliding surfaces and grease lubricated gears
- wet and heavily loaded applications
- excellent for applications in the following environments:
 - chemical plants and paper mills, where grease is exposed to very wet conditions
 - mining and process plants, where crushers, screens and kilns are operated at high temperatures
 - general industry, where a multi-purpose grease can simplify plant lubrication by

Features/Benefits

- excellent oxidation resistance
- good mechanical stability
- non-melting
- excellent high temperature bearing performance
- excellent resistance to water washout
- excellent load carrying ability
- excellent performance in wet and high temperature conditions

Typical Properties of Shell Darina® Greases EP

	Test Method			
Product Code		71520	71521	71522
NLGI Grade		0	1	2
Thickener Type		Microgel	Microgel	Microgel
Appearance		Brown, Smooth	Brown, Smooth	Brown, Smooth
Viscosity: @ 40°C, cSt	D 445	122	122	122
@ 100°C, cSt	D 445	12.7	12.7	12.7
Penetration, dmm Worked, 60X	D 217	361	330	285
Worked, 100,000X		----	352	332
Dropping Point, °F	Mettler	500+	500+	500+
Bomb Oxidation Pressure Drop @ 100 hrs, psi	D 942	1	1	1
Corrosion Test, 14 days	D 1743	No rust	No rust	No rust
Wheel Bearing Leakage, gm	D 1263	----	5	2
Water Washout, wt% loss @175°F	D 1264	7	Nil	Nil
Timken, OK Load, lbs	D 2509	50	50	50
Load Wear Index, kgf	D 2596	----	48	50
Mobility, 0°F, g/minute		2.7	1.4	0.6
Lincoln Ventmeter Test 30°F, psi		190	350	----
0°F, psi		475	850	----

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.