



DURALIFE® HIGH SPEED SYNTHETIC POLYUREA GREASE PG-FS

DURALIFE® HIGH SPEED SYNTHETIC POLYUREA GREASE PG-FS is fully synthetic high performance long life polyurea grease suitable for fill-for-life applications in wide range of industrial applications. This grease is based on fully synthetic high viscosity poly alpha olefin (PAO) base stocks engineered with performance additives resulting in an outstanding long life high performance grease. It exhibits outstanding thermal stability, excellent high temperature capabilities, excellent extreme pressure characteristics and superior shear stability compared to conventional polyurea greases. This grease has excellent water resistance characteristics as well and will not washout.

APPLICATIONS :

DURALIFE® HIGH SPEED SYNTHETIC POLYUREA GREASE PG-FS is recommended for sealed for life bearings, rolling element bearings, high-speed antifriction bearings, electric motors/fan/air-conditioning bearings, automotive alternator/generator/starter motor bearings and other wide range of industrial applications operating under high speed and high temperature conditions. This grease is virtually an ideal grease for any applications where fill and forget type of lubrication is either desired or necessary.

BENEFITS :

- Outstanding high-temperature resistance of oxidation stability.
- Good shear stability.
- Protects bearings against wear under severe conditions of shock loading.
- Excellent extreme pressure properties.
- Resists water washing and rusting.
- Minimizes leakage from bearings and stays in place on high-speed machinery through outstanding adhesion properties under severe high temperature conditions.
- Long operational life at high temperature.

TYPICAL CHARACTERISTICS :

Product Specifications	Typical Results
	PG-FS 2
NLGI Grade	2
Thickener type	Polyurea
Color	Blue
Dropping point , °C (°F) , ASTM D 2265	270(518)
Penetration @25 °C(77°F), Worked (60 Strokes), 0.1mm, ASTM D 217	285
Timken OK Load, lbs , ASTM D 2509	50
Base Oil Viscosity, ASTM D 445	
@ 40 °C , cSt	456
@100 °C, cSt	43.6
@100 °F, SUS	2384
@210 °F, SUS	211
Oil Separation , wt%, ASTM D 1742	< 0.3
Oxidation Stability @210 °F , psi Drop 100 hrs Max , ASTM D 942	< 5
Water Washout @ 175°F , %wt loss , ASTM D 1264	5 max
Operating Temperature Range	-49 °F to 374 °F (-45 °C to 190 °C)

The above characteristics are average values based on recent production .Minor variations which do not affect product performance are to be expected in normal manufacture .

WARNING!

Contains petroleum distillates. Contact with skin or eyes can cause irritation. Avoid prolonged contact. Wash thoroughly after handling. Avoid breathing vapors. If irritation , headache or nausea occurs , remove to fresh air . Get medical attention if symptoms persists. If swallowed , do not induce vomiting. Consult physician immediately.

Keep away from children

Do not store above 120°F. Keep away from heat or flame.

*Reference MSDS Number 12109 database on our website at **www.amtecol.com***