



## Polytac & Polytac EP

POLYTAC & POLYTAC EP comprise a family of premium-quality, multipurpose, EP and non-EP greases developed to satisfy the severe requirements, where conventional lithium and lithium complex greases do not provide the needed protection for extended service life.

POLYTAC is a non-EP grease recommended for applications that do not require EP protection, such as electric motor bearings, sealed-for-life bearings, and other lightly loaded high-speed antifriction bearings. Its shear stability and resistance to oxidation ensures maximum protection in these applications.

POLYTAC EP is a superior, extreme-pressure shear stable grease with excellent water resistance. It is recommended for use in steel mills, off-road equipment, and fleet and commercial vehicles. It has excellent fluidity at low temperature.

POLYTAC & POLYTAC EP offer significant performance advantages in high temperature, long-life, sealed-for-life and wet applications over conventional soap-thickened greases. The non-soap, polyurea thickener, coupled with high-quality base oils and specially tailored additives, provides a grease family which is extremely versatile, tough and long lasting.

### **Applications**

- Automotive under-hood applications such as alternators, AC compressor clutch bearings, water pumps, idler pulleys and other applications, where water contamination can quickly degrade bearing life.

### **Outstanding Features**

- Excellent high-temperature performance
- Highly shear stable and heat resistant
- Excellent low-temperature pumpability
- Excellent water resistance
- Excellent load-carrying ability
- Excellent wear protection
- Excellent rust and corrosion inhibition

**Premium-Quality,  
Multipurpose  
Polyurea Greases  
For A Wide Range  
Of Temperatures**

**U.S. Technical Services  
Hot line:  
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## Polytac and Polytac EP Typical Properties

Product	ASTM Test Method		
		Polytac	Polytac EP
<b>NLGI Grade</b>		<b>2</b>	<b>2</b>
Thickener		Polyurea	Polyurea
Color		Red	Green
Texture		Smooth	Smooth
Density, lb/gal		7.40	8.50
Cone Penetration, (worked 60 strokes)	D217	280	280
Dropping Point, °F (°C)	D2265	500 (260)	500 (260)
Oxidative Stability, 100 hrs,			
Pressure Drop, psi (kpa)	D942	5 (35)	5 (35)
Timken OK Load, lbs	D2509	—	60
Four-Ball EP, Weld Load, kgf	D2596	—	400
Rust Test	D1743	Pass	Pass
Water Washout, 175°F, % Loss	D1264	0	2
Base Oil Properties,			
cSt @ 40°C,	D445	110	129
cSt @ 100°C	D445	12.1	11.6
SUS @ 100°F		574	683
SUS @ 210°F		68	66
Viscosity Index	D2270	98	71
Usable Temperature Range,			
°F		-35 to 400	-35 to 400
°C		-37 to 204	-37 to 204

Due to continual product research and development, the information contained herein is subject to change without notification.

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