

Hydrotex® Grease Quick Reference Guide



PHYSICAL PROPERTIES

LOAD ENVIRONMENT TEMPERATURE SPEED

Market Segments	SKU	Grease	Color	Thickener	ISO Grade	NLGI Grade	Tackiness Index	AW	EP	Water	Oxidation	Pumpability	LTL (°F)	HTPL (°F)	Dropping Point (°F)	Low-Speed	High-Speed	Vibrational Oscillation	Typical Applications
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Premium Performance Greases

	0065	HyPlex	Royal Blue	Lithium Complex	150	2	13, 6	-25	300	574	High speed, multipurpose mobile and industrial applications operating over a wide temperature range, GC-LB certified (NLGI 2 only)
						1	6, 5	...	..	..	...	..	-25	300	577				
						0		...	..	..	...	...	-25	300	469				
						00		...	..	..	...	...	-25	300	441				
	0070	Hydro-Syn 70	Purple	Lithium Complex	220	2	15, 20	...	...	...	...	.	-25	300	579	...	..	...	Heavy duty, multipurpose mobile and industrial applications operating over a wide temperature range
						1	9, 28	...	...	...	...	..	-25	300	572				
	70C	Hydro-Syn 70 Clear	Clear	Lithium Complex	220	2	15, 20	...	...	...	...	.	-25	300	579	...	..	...	Heavy duty paper and textile machinery applications
					150	0	...	..	...	...	..	-25	300	473					
	9003	Corrosion Control	Green	Calcium Sulfonate	220	2	15, 4	...	...	...	...	..	-40	285	570	..	..	...	Wet, extreme contamination or severe load conditions
						1	8, 8	...	...	...	...	...	-40	285	510				
	9460	Corro. Control 460	Beige	Calcium Sulfonate	460	2	25, 10	...	...	...	...		-40	285	600	...	.	...	Wet, extreme contamination or severe load conditions

High Performance Greases

	0064	Ruby-Tac 220	Red	Lithium Complex	220	2	10, 10	...	..	..	..	.	-25	285	572	..	..	..	Multipurpose mobile and industrial applications. GC-LB Certified (NLGI 2 only)
						1	6, 10	...	..	..	..	..	-25	285	532				
	0060	MTP Ultra	Pink	Lithium	320	3	25, 6	...	..	...	..	.	-10	250	406	...	.	..	Vertical shafts, outer race rotation, vibration
						2	14, 7	...	..	...	..	.	-10	250	399				
						150	1	6, 9	-20	250					397
	0055	Acculube	White	Lithium	320	2	14, 7	..	..	...	..	.	-10	250	399	...	.	.	Heavy duty, general purpose mobile and industrial applications
						150	1	6, 9	-20	250					397
						00			-30	225					374
	0820	Pin-Tac	Dark Gray	Lithium	320	2	16, 37	..	...	...	..	.	-10	250	399	...	.	...	Pins & bushings, contains 3% Moly
					220	1		..	...	...	..	..	-20	250	397				

General Purpose Greases

	0050	Super Shield	Gray	Lithium	320	2	14, 22	-10	225	385	General purpose mobile and industrial applications. Military approved.
					SG180	1	6, 9	-20	225	360				

Market Segment Legend









Industrial Manufacturing	Construction and Mining	Primary Metals & Metalworking	Food Processing	Paper & Textiles	Plastic & Chemical
Sustainable Fleets	Cement	Agriculture & Grounds Keeping	Wind Power	Water Treatment	Oil & Gas

PHYSICAL PROPERTIES







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								AW	EP	Water	Oxidation	Pumpability	LTL (°F)	HTPL (°F)	Dropping Point (°F)	Low-Speed	High-Speed	Vibration/Oscillation					

Special Application Greases

	0036	Pivot System Grease	Purple	Lithium Complex	SG 390	00	2, 7, 3	...	...	...	...	...	-40	225	366	...	.	...	Irrigation pivot gear boxes, enclosed gear boxes
	0067	Poly-Gard	Green	Polyurea	150	2	10, 3	...	..	...	...	..	-20	285	525	.	...	.	High speed electric motors, general purpose
	0086	SZ-100	Light Gray	Lithium Complex	22	2	9, 2	...	...	...	.	-100	285	515	.	...			Spiral freezer bearings, freezer fans, ultra-high speed bearings
	0148	SG-111	Clear	Silica Gel	SG 500	3			...	...		-20	325	None			..		O-ring lubricant, valve stem and gasket sealant, very good chemical resistance
	0500	Moly-Temp 500	Dark Gray	Bentonite	460	1.5	8, 7	...	..	...	...	.	10	325	None	...	.	...	Low speed plain or roller bearings at high temperatures
	0602	Perma-Temp with Moly	Dark Gray	Bentonite	100	2	11, 4	...	.	...	..	..	-5	325	None	..	...	..	High speed plain or roller bearings over a wide temperature range
	0670	COPR Gear Cote	Copper	Silica Gel	5000	2	50, 70	...		...	...		10	325	None	...		...	Open gear, mining, sliding wear pads
	0821	Ag-Tac	Dark Gray	Lithium	320	2	16, 35	.	..	...	..	.	-5	225	400	..		.	Multipurpose agriculture machinery grease

Food Grade Greases

	0540	Ultra-Kleen 540 FG Grease	White	Calcium Sulfonate	220	2	13, 3	-40	285	584	Heavy duty anti-corrosion grease for food industry, brine and acid resistant, submerged bearings
						1	6, 3	-40	285	550	
	0550	Ultra-Kleen 550 White	White	Aluminum Complex	100	2	10, 1	-20	250	536	Multipurpose grease for food industry
						1	6, 3	...	..	.	..	..	-20	250	509
						0	3, 6	...	..	.	..	...	-20	250	—
						00		...	..	.	..	...	-20	250	—
	0551	Ultra-Kleen 551 Kleer	Clear	Aluminum Complex	100	2	10, 1	-20	250	536		Non-staining grease for high speed bearings, packing and bottling
						1	6, 3	..		.	..	..	-20	250	509
	0553	Ultra-Kleen 553 Kleer	Clear	Aluminum Complex	220	2	12, 2		-20	285	536	Non-staining high temperature grease for food industry
						1	5, 4	..		..	...	..	-20	285	509
	0555	Ultra-Kleen 555 White	White	Aluminum Complex	100	2	14, 21		-20	250	536	Multipurpose tacky grease for food industry
						1	5, 13	...	..	...	..	.	-20	250	509
						0	2, 16	...	..	..	..	..	-20	250	—
						00		...	..	..	..	..	-20	250	—
	0556	Ultra-Kleen 556 Kleer	Clear	Aluminum Complex	100	2	14, 21		-20	250	536	Non-staining tacky grease for high speed bearings, packaging and bottling
						1	5, 13	..		...	..	.	-20	250	509

Definitions

ISO Grade—The viscosity grade of the grease's base oil. "SG" indicates a non-standard "special grade."

Tackiness Index—The Hydrotex proprietary method of measuring tackiness as a combination of work and elongation. *Work* is the energy required to stretch or deform the grease. It correlates with the grease's ability to stay in place. *Elongation* is a measure of the adhesive-cohesive "stringiness" of a grease.

AW—Anti-wear protection, prevents equipment wear due to metal-to-metal contact

EP—Extreme Pressure protection, prevents equipment wear, welding and scoring due to extreme static loads and shock loads

Water—Resistance to water, humidity and wash-down conditions

Oxidation—Resistance to high temperature oxidation and thermal breakdown, ensures long grease life

Pumpability—Measure of the fluidity of a grease, important for automatic lubricators

LTL—Low Temperature Limit, the lowest recommended operating temperature

HTPL—High Temperature Performance Limit, the highest recommended constant operating temperature at which standard greasing intervals can be maintained

Dropping Point—The temperature at which a grease passes from a semi-solid to a liquid state under specific test conditions

Low Speed—Speeds up to 1800 RPM in a 4 inch bearing, or 3600 RPM in a 2 inch bearing, refer to OEM specifications or contact Hydrotex Technical Response Team for exact speed limitations

High Speed—Speeds between 1800 RPM and 4800 RPM in a 4 inch bearing, or 3600 to 10,000 RPM in a 2 inch bearing, refer to OEM specifications or contact Hydrotex Technical Response Team for exact speed limitations

Vibration / Oscillation—Bearings and other applications that move only at small angles or very low rotational speeds. Greases with good EP characteristics and high base oil viscosities protect well against fretting and false brinelling wear