Hydrotex® Grease Quick Reference Guide

Hydrotex
A Whitmore Manufacturing, LLC Company

								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	Vibration/ Oscillation	Typical Applications
Premium Performance Greases																			
	0065	HyPlex	Royal Blue	Lithium Complex	150	2	13, 6	•••	••	••	•••	•	-25	300	574	••	•••	•••	Electric motors & 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				
	0070	Hydro-Syn 70	Purple	Lithium Complex	320	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				
High Performance Greases																			
	0064	Ruby-Tac 220	Red	Lithium Complex	220	2	10, 10	•••	••	••	••	•	-25	285	500	••	••	••	Multipurpose mobile and industrial applications. GC-LB Certified (NLGI 2 only)
						1	6, 10	•••	••	••	••	••	-25	285	500				
	0063	Ruby-Tac 460	Red	Lithium Complex	460	2	15,15	••	••	••	••	•	-20	285	572	•••	••	••	Low speed or high speed bearings; Paper & Textile machine wet ends
	0863	Ruby-Tac 460 Plus Moly	Dark Gray	Lithium Complex	460	2	15,15	••	•••	••	••	•	-20	285	572	•••	•	•••	Earth-moving machinery, contains 3% Moly
	0820	Pin-Tac	Dark Gray	Lithium	320	2	16, 37	••	•••	•••	••	•	-10	250	399	•••	•	•••	Pins & bushings, contains 3% Moly
	0060	MTP Ultra	Pink	Lithium	320	2	14, 7	•••	••	•••	••	•	-10	250	399	•••	•	••	Heavy duty, shock loads and vibration, very good water resistance
						1	6, 9	•••	••	•••	••	••	-20	250	397				
						0	-	•••	••	•••	••	•••	-20	250	392				
	0055	Acculube	White	Lithium	220	2	14, 7	••	••	•••	••	•	-10	250	399	•••	•	•	Heavy duty, general purpose mobile and industrial applications
	0036	PSG Ultra	Purple	Lithium Complex	SG 390	00	2, 73	•••	•••	•••	•••	•••	-40	225	366	•••	•	•••	Irrigation pivot gear boxes, enclosed gear boxes & centralized lubrication systems

Market Segment Legend

- Industrial Manufacturing
- Sustainable Fleets
- Construction and Mining
- Cement
- Primary Metals & Metalworking
- Agriculture & Groundskeeping
- Food & Beverage
- Sustainable Utilities
- Paper & Textiles
- Water Treatment
- Plastic & Chemical
- Oil & Gas

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Your Lubrication Solution Partners®

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Special Application Greases																			
	0067	Polygard EM	Blue	Polyurea	150	2,1	10, 3	•••	••	•••	•••	••	-20	300	500	•	•••	••	High speed electric motors, general purpose
	0671	COPR-TAC	Dark Copper	Silica Gel	5000	2	50, 70	•••		•••	•••		10	325	None	•••		•••	Open gear, construction, 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, sub-merged 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				
	0553	Ultra-Kleen 553 Kleer	Clear	Aluminum Complex	220	1	5, 4	••		••	•••	••	-20	285	509	•••	•	•	Non-staining high temp grease for seamer rolls & other food industry applications
	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				
	0557	Ultra-Kleen 557 FG Grease	Clear / Cloudy	Aluminum Complex	220	2	14, 20	•••	••	•••	••		-20	250	554	•••	••	••	Multipurpose, non-staining tacky grease for food industry
						1	5, 15	•••	••	•••	••	•	-20	250	536				
						0	2, 2	•••	•	••	••	••	-20	250	536	•••	••	••	
						00	-	•••	•	•	••	•••	-20	250	500				

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