

Pulsarlube USA, Inc. Standard Grease Chart

Date	Feb. 2023
Rev. #	11
Remark	WEB

* Grease specifications for the North and South American market

Typical Properties		ASTM #	PL1	PL2	PL3	PL4	PL5	PL7	PL10
Main Application			Multipurpose	Heavy Duty	High Speed	Food Grade	High Temperature	Low Temperature	Motor Bearing
NLGI Grade	Worked Penetration @25°C	D217	2	1	1.5	2	2	1	2
			265~295	310~340	305~310	265~295	280	340	285
Dropping point, °C		D2265	> 210	> 315	> 185	316	270	301	260
Thickener Type			Lithium Complex	Calcium Sulfonate	Lithium	Calcium Sulfonate	Lithium Complex	Lithium Complex	Polyurea
Color, Visual			Yellow	Gray	Yellowish Brown	Off-White	Red	Gold	Blue
Base Oil Type			Mineral	Mineral	Mineral	Synthetic	Synthetic	Synthetic	Mineral
Four Ball EP, Weld Load (kg, kgf)		D2596	> 400	< 800	> 400	50	250	250	-
Four Ball Wear, Scar Dia.(mm)		D2266 D2256	-	0.5	-	0.5	0.5	0.52	0.41
Kinematic Viscosity, cSt	@ 40°C	D445 D2161	215~225	220	175~185	100	220	130	115
	@ 100°C		-	-	-	13.8	23.8	15.6	12.2
Operating Temperature Range, °C			-30~160	-20~232	-30~130	-40~200	-40~180	-40~170	-20~160
Operating Temperature Range, °F			-22~320	-5~450	-22~266	-40~392	-40~356	-40~338	-4~320