

# Pulsarlube USA, Inc. Standard Grease Chart

Date	July 2016
Rev. #	02
Remark	website

\* Grease specifications for the North and South American market

Properties		ASTM #	PL1	PL2	PL3	PL4	PL5	PL6 <small>(not available in US)</small>	PL7
Main Application			Multipurpose	Heavy Duty	High Speed	Food Grade	High Temperature	Multipurpose with MoS2	Low Temperature
NLGI Grade	D217		1.5	2	1.5	2	2	1	1
Worked Penetration @25°C			280	265-295	305-320	280	280	318	340
Dropping point, °C		D2265	235	240	190	260	270	296	301
Thickener Type			Lithium Complex	Lithium Complex	Lithium Complex	Aluminum Complex	Lithium Complex	Lithium Complex	Lithium Complex
Color, Visual			Yellow	Grey	Yellowish Brown	White	Red	Grey	Gold
Base Oil Type			Mineral	Mineral	Mineral	Mineral	Synthetic	Synthetic	Synthetic
Four Ball EP, Weld Load (kg)		D2596	500	315	400	315	250	400	250
Four Ball Wear, Scar Dia.(mm)		D2266	-	0.75	-	0.50	0.50	0.43	0.52
Kinematic Viscosity, cSt	@ 40°C	D445 D2161	220	470	175	220	220	130	130
	@ 100°C		19.2	30	16.0		23.8	15.6	15.6
Operating Temperature Range, °C			-20~150	-20~160	-30~130	-25~170	-40~180	-40~170	-40~170
Operating Temperature Range, °F			-4~302	-4~320	-22~266	-13~338	-40~356	-40~338	-40~338
PDS Latest Version			Ver.000	Ver.000	Ver.000	Ver.000	Ver.000		Ver.001

\* The values quoted above are typical of normal production. They do not constitute a specification.