

# Pulsarlube Standard Grease of Pulsarlube GmbH

Date	July 2016
Rev. #	02
Remark	Website

\* Grease specifications for the market of Europe

Typical Properties	ASTM #	PL1	PL2	PL3	PL4	PL5	PL6 <i>(check for availability)</i>	PL7	PL8 <i>(Europe Only)</i>	
<b>Main Application</b>		Multipurpose	Heavy Duty	High Speed	Food Grade	High Temperature	Multipurpose with MoS2	Low Temperature	Extreme Pressure	
<b>NLGI Grade</b>	D217	1.5	2	1.5	2	1	1	1	2	
<b>Worked Penetration @25°C</b>		280	310-340	305-310	280	320	318	340		
<b>Dropping point, °C</b>	D2265	235	240	190	260	260	296	301	165	
<b>Thickener Type</b>		Lithium Complex	Aluminum Complex	Lithium Complex	Aluminum Complex	Polyurea	Lithium Complex	Lithium Complex	Lithium Complex	
<b>Color, Visual</b>		Yellow	Black	Yellowish Brown	White	Beige	Grey	Gold	Dark Yellow	
<b>Base Oil Type</b>		Mineral	Mineral	Mineral	Mineral	Mineral	Synthetic	Synthetic	Synthetic	
<b>Four Ball EP, Weld Load (kg)</b>	D2596	500	600	400	315	250	400	250	400	
<b>Four Ball Wear, Scar Dia.(mm)</b>	D2266	-	0.91	-	0.50	0.50	0.43	0.52	0.6	
<b>Kinematic Viscosity, cSt</b>	@ 40°C	D445 D2161	220	307.2	175	220	460	130	130	100
	@ 100°C		19.2	23.43	16.0		29	15.6	15.6	
<b>Operating Temperature Range, °C</b>		-20~150	-15~170	-30~130	-25~170	-15~160	-40~170	-40~170	-30~130	
<b>PDS latest version</b>		Ver.000	Ver.000	Ver.000	Ver.000	Ver.000	Ver.001	Ver.001		

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