

Pulsarlube Asia-Pacific Standard Grease Chart

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|--------|-----------|
| Date | Oct. 2020 |
| Rev. # | 09 |
| Remark | WEB |

* Grease specifications for the market of Asia(China), Oceania and Southern Africa

| Typical Properties | | ASTM # | PL1 | PL2 | PL3 | PL4 | PL5 | PL6 | PL7 | PL10 |
|---------------------------------|---------|---------------|-----------------|------------------|-----------------|---------------------------|------------------|------------------------------------|-----------------|---------------|
| Main Application | | | Multipurpose | Heavy Duty | High Speed | Food Grade | High Temperature | Multipurpose with MoS ₂ | Low Temperature | Motor Bearing |
| NLGI Grade | D217 | | 1.5 | 1 | 1.5 | 2 | 1 | 2 | 1 | 2 |
| Worked Penetration @25°C | | | 280 | 310-340 | 305-310 | 265-295 | 320 | 280 | 340 | 285 |
| Dropping point, °C | | D2265 | 230 | 240 | 190 | 316 | 260 | 280 | 301 | 260 |
| Thickener Type | | | Lithium Complex | Aluminum Complex | Lithium | Calcium Sulfonate Complex | Polyurea | Lithium Complex | Lithium Complex | Polyurea |
| Color, Visual | | | Yellow | Black | Yellowish Brown | White | Beige | Gray Black | Gold | Blue |
| Base Oil Type | | | Mineral | Mineral | Mineral | Synthetic | Mineral | Mineral | Synthetic | Mineral |
| Four Ball EP, Weld Load (kg) | | D2596 | 500 | 600 | 400 | 400 | 250 | 400 | 250 | - |
| Four Ball Wear, Scar Dia.(mm) | | D2266 | - | 0.91 | - | 0.5 | 0.50 | 0.5 | 0.52 | 0.41 |
| Kinematic Viscosity, cSt | @ 40°C | D445 D2161 | 220 | 307.2 | 180 | 220 | 220 | 220 | 130 | 115 |
| | @ 100°C | | 19.2 | 23.43 | 14.0 | 25.53 | - | 16 | 15.6 | 12.2 |
| Operating Temperature Range, °C | | | -20~150 | -15~170 | -30~130 | -40~200 | -15~160 | -20~140 | -40~170 | -20~160 |
| Operating Temperature Range, °F | | | -4~302 | 5~338 | -22~266 | -40~392 | 5~320 | -4~284 | -40~338 | -4~320 |