



Castrol® Spheerol® PU 100-2

Polyurea thickened lubricating grease

Known for its superior thermal stability, mechanical resilience, and resistance to oxidation, Castrol Spheerol PU 100-2 performs reliably under high temperatures and harsh conditions. The formulation includes antioxidants, corrosion inhibitors, and EP/AW additives while its thickener structure provides excellent mechanical stability—extending re-lubrication intervals and enhancing bearing performance. With outstanding anti-oxidative properties and low oil separation, Spheerol PU 100-2 is ideal for environments requiring long grease life and consistent protection.

Applications

- Industrial & marine electric motor bearings
- Fans and generator bearings
- Ball and roller bearings
- Meets DIN 51502 K2P-20 standards

Key benefits

- Reliable high-temperature performance up to 160°C
- Extended grease life with excellent oxidation and mechanical stability
- Superior corrosion protection for marine and water-loaded environments
- Strong water resistance for harsh operating conditions
- Easy visual inspection with distinctive blue color

Typical characteristics

Name	Method	Units	Spheerol PU 100-2
Thickener	-	-	Polyurea
Base fluid	-	-	Mineral oil
Color	-	-	Blue
Consistency (NLGI grade)	NLGI	-	2
Dropping point	ASTM D 2265	°C (°F)	>260 (>500)
Penetration 60 strokes	ASTM 217	1/10 mm	265 - 295
4-Ball weld load	ASTM D 2596	kg	250
4-Ball wear scar	ASTM D 2266	mm	0.45
Water wash out at 79°C/175°F	ASTM D 1264	% loss	4
Corrosion protection	ASTM D 1743	Rating	Pass
Copper corrosion, 24h/100°C	ASTM D 4048	Rating	1a
High temperature grease life at 177°C/350°F	ASTM D 3336	hr	>750
Oil separation, 168 hrs, 40°C	DIN 51807-1	% loss	1.8

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

Castrol Spheerol PU 100-2—engineered for durability, performance, and peace of mind in the most demanding environments. For more details or a trial sample, please reach out to your Castrol representative or contact us, 888-CASTROL