

ULTRAPLEX PU SYNT 320/12 TF

POLYUREA GREASE FOR HIGH TEMPERATURES

DESCRIPTION

Grease formulated with synthetic base oil, polyurea thickener, antioxidant, anti-corrosion, anti-wear and extreme pressure additives. Contains PTFE as a solid lubricant.

APPLICATION

ULTRAPLEX PU SYNT 320/12 TF is a grease particularly suitable for the centralised lubrication of bearings and roller bearings operating at very high temperatures, 200°C with peaks of up to 220°C, and under high loads.

ULTRAPLEX PU SYNT 320/12 TF offers high performance in the lubrication of continuous casting bearings, rolling mills, furnaces, dryers, motors, pumps and any machinery exposed to high loads and temperatures.

PROPERTIES

- Exceptional thermal and oxidation resistance at high temperatures.
- High load capacity.
- Excellent corrosion protection.
- Very good pumpability in centralised lubrication systems.
- High mechanical stability.
- High friction reduction capacity.
- Excellent sealing capacity and resistance to water and steam.
- Operating temperature from -20 to +200°C, possible up to +220°C with appropriate relubrication intervals.

QUALITY LEVEL

- ISO – L – XBGIB 1/2

TECHNICAL CHARACTERISTICS

	Standard	Typical values	Unit
Appearance	-	Light brown fat	-
Penetration at 25 °C	ASTM D-217	300	mm ⁻¹
Penetration at 25 °C after 10 ⁵ strokes	ASTM D-217	330	mm ⁻¹
NLGI consistency	ISO 2137	1-2	-
Drop point	ASTM D 566	270	°C
Base oil viscosity	ASTM D 445	320	cSt
Wear footprint, 4-ball test	ASTM D 2266	0.46	mm
Weld load, 4-ball test	ASTM D 2596	315	kg
Oil separation, 24 hours, 100°C	ASTM D-6184	1.1	%
Copper corrosion 24 hours at 100°C	ASTM D 4048	1b	-
Speed factor (n x d _m) n – rotational speed of the bearing (rpm) d _m – average bearing diameter (mm)	-	600,000	-

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