

## ULTRAPLEX PU SYNT 322

### HIGH TEMPERATURE POLYUREA GREASE

#### DESCRIPTION

Grease formulated with synthetic base oil, polyurea thickener and anti-rust, anti-corrosion, anti-wear, and extreme pressure additives.

#### APPLICATIONS

**ULTRAPLEX PU SYNT 322** is a grease especially suitable for the lubrication of bearings and rolling bearings working at very high temperatures, 200°C with peak temperatures up to 220°C.

**ULTRAPLEX PU SYNT 322** offers high performance in the lubrication of continuous casting bearings, rolling mills, furnaces, kilns, dryers, motors, pumps, and any machinery exposed to high temperatures.

#### PROPERTIES

- Exceptional thermal and oxidation resistance at high temperatures.
- High load capacity.
- Excellent corrosion protection.
- Very good pumpability in centralized lubrication systems.
- High mechanical stability.
- Suitable for high-speed bearings.
- Excellent sealing capacity and resistance to water and steam.
- Working temperature from -20 to +200°C, +220°C possible with suitable relubrication intervals.

#### QUALITY LEVEL

- ISO – L – XBGIB 2

#### TECHNICAL CHARACTERISTICS

	Method	Typical values	Units
Appearance	-	Light brown grease	-
Penetration at 25°C	ASTM D-217	280	mm x 10 <sup>-1</sup>
Penetration at 25°C after 10 <sup>5</sup> strokes	ASTM D-217	302	mm x 10 <sup>-1</sup>
Consistency NLGI	ISO 2137	2	-
Dropping point	ASTM D-566	270	°C
Base oil viscosity at 40°C	ASTM D-445	320	mm <sup>2</sup> /s
Wear scar, 4 ball test	ASTM D-2266	0,42	mm
Welding load, 4 ball test	ASTM D-2596	315	Kg
Evaporation after 22h at 204°C	ASTM D-2595	2,63	%
Oil separation after 24h at 100°C	ASTM D-6184	0,2	%
Copper corrosion 24h at 100°C	ASTM D-4048	1b	-
Speed factor (n x d <sub>m</sub> ) n – rotational speed of bearing (rpm) d <sub>m</sub> – average bearing diameter (mm)	-	600.000	-

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