

ULTRAPLEX PU 222

POLYUREA GREASE

DESCRIPTION

Grease made of highly refined mineral base oil thickened with polyurea, and antioxidant, anticorrosive, antiwear and EP additives.

APPLICATIONS

ULTRAPLEX PU 222 is an extremely versatile grease for lubrication of plain bearings, roller bearings, open gears, gear couplings, wire ropes and other mechanical components working in a wide range of temperature, speed, load, and contamination conditions.

Due to their special properties **ULTRAPLEX PU 222** offers high protection of the mechanisms in all type of industries: mining, earth movement, shipping and harbor, steel, cement, automotive, paper, food, pellet presses, etc.

PROPERTIES

- Outstanding thermal and oxidation resistance at high temperatures.
- High load carrying capacity.
- Excellent protection to the corrosion of the metallic parts and resistance to water washout
- Very good pumpability in central lubrication systems.
- High mechanical stability.
- Suitable for high-speed bearings (see speed factor below).
- Normal working temperature from -20 up to +150°C, possible +180°C with suitable relubrication intervals.

QUALITY LEVEL

- ISO – L – XBFIB 2

TECHNICAL CHARACTERISTICS

	Method	Typical values	Units
Appearance	-	Light Brown Grease	-
Penetration at 25°C	ASTM D-217	280	mm x 10 ⁻¹
Penetration at 25 °C after 10 ⁴ strokes	ASTM D-217	315	mm x 10 ⁻¹
Consistency NLGI	ISO 2137	2	-
Dropping point	ASTM D-566	270	°C
Base oil viscosity at 40°C	ASTM D-445	220	mm ² /s
Wear scar, 4 ball test	ASTM D-2266	0,47	mm
Welding load, 4 ball test	ASTM D-2596	315	Kg
Oil separation, 24h, 100°C	ASTM D-6184	1,2	%
Copper corrosion 24h a 100°C	ASTM D 4048	1b	-
Speed factor (n x d _m)	-	800.000	-
n – rotational speed of bearing (rpm) d _m – mean diameter of bearing (mm)			

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