

ULTRAPLEX TG SYNT (RANGE)

SYNTHETIC LITHIUM COMPLEX GREASE

DESCRIPTION

ULTRAPLEX TG SYNT are formulated with synthetic bases, complex lithium soap and additives for improving oxidation, rust prevention, antiwear and EP properties.

APPLICATIONS

Specially indicated for the lubrication of:

- Plain and roller bearings, pins, cams and other mechanisms subject to high mechanical requirements, extreme temperature, vibrations, and presence of water, dust or other contaminants.
- Some applications examples are: bearings and pins in mining equipment, bearing in steel industry, outdoor equipment in harbors, shipping, solar panels, wind turbines, dredges, etc.

PROPERTIES

- Wide temperature operation range, from -40°C up to 180°C, and a peak temperature of 200 °C for short periods with frequent re-lubrication
- High mechanical stability.
- Soft consistency for better grease spreading at low temperatures.
- Good load carrying capacity.
- Suitable for bearings at low – medium speeds (speed factor ndm up to 200.000).
- High resistance to aging.
- High protection to the corrosion of the metallic parts.
- High resistance to water.

QUALITY LEVEL

- ISO – L – XDGHB 0/1
- ISO – L – XDGHB 1

TECHNICAL CHARACTERISTICS

	Method	Typical values		Units
Appearance	-	Yellowish grease		-
Penetration at 25°C	ASTM D-217	347	334	mm x 10 ⁻¹
- After 60 percussions		395	387	
- After 10,000 percussions				
Consistency NLGI	ISO 2137	0/1	1	-
Dropping point	ASTM D-566	260		°C
Base oil viscosity at 40°C	ASTM D-445	1000		mm ² /s
Wear scar, 4 ball test 40 Kg, 75°C, 1 hour	ASTM D-2266	0,65		mm
Welding load, 4 ball test	ASTM D-2596	400		Kg
Bearing corrosion	ASTM D 1743	1-1-1 (sin óxido)		-
Copper corrosion	ASTM D 130	1a		-

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