



PRISTA® ROLON F

PRISTA OIL

■ DESCRIPTION

PRISTA® ROLON F industrial gear oils are formulated with an appropriate selection of high quality solvent refined and hydrotreated lube base stocks blended with an ashless sulfur-phosphorus type additive package, meeting Flender (Rev.9, 2005) Specification for oils with enhanced protection of metal surfaces against micro pitting.

PRISTA® ROLON F oils are blended in the following ISO 3448 viscosity grades: 100, 150, 220, 320 & 460.

■ BENEFITS

- EP properties to minimize friction wear
- Very rapid release of entrained air
- Very good thermal and oxidation stability for extended service life
- Dependable rust and corrosion protection
- Excellent water separability
- Foam resistance
- Protection against micro pitting corrosion

■ APPLICATION

The industrial gear oils **PRISTA® ROLON F** are developed for the lubrication of closed gear drives (reducers), chain (gear) drives, chain wheels and sprockets, plain and rolling bearings, slide ways and flexible connections/couplings, operated at normal to elevated temperatures. **PRISTA® ROLON F** oils are especially suited for speed reducers ranging from the small motor-reducers of less than 1 kW power to the big powerful units used on metal rolling mills, cement mills and also in hoist mechanisms in mines.

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SPECIFICATIONS

Flender Spec
Renk Spec
ISO L-CKD according to ISO 6743/6
ISO 12925
US Steel 224
DIN 51517, Part 3
David Brown S1.53.10(E)
AGMA 9005-E02

TYPICAL CHARACTERISTICS

№	PARAMETER	TEST METHOD	TYPICAL VALUES				
			100	150	220	320	460
1.	Density at 20°C, g/ cm ³	EN ISO 3675	0.885	0.889	0.893	0.895	0.900
2.	Kinematic viscosity at 100°C, mm ² /s	EN ISO 3104	100	150	220	320	460
3.	Viscosity index	ISO 2909	95	93	91	89	87
4.	Flash Point , COC,°C	EN ISO 2592	240	242	244	246	258
5.	Pour point,°C	ISO 3016	-21	-21	-18	-15	-12
6.	Foaming, ml (tendency stability) - Seq I, at 24°C - Seq II, at 93.5°C - Seq III, at 24°C	ISO 6247	50/0 50/0 50/0				
7.	Rust Preventive Properties in the presence of distilled water	ISO 7120	pass				
8.	Copper strip corrosion	ISO 2160	1				
9.	Water separability -time to 3 ml emulsion, min	ISO 6614	40				
10.	FZG Test - Failure Load Stage	ASTM D 5182	12				

Remark: The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.