Food Grade

MAKER FG HYPERCOMPRESSOR 280

Description

Ethylene hypercompressor oil based on a combination of white oils with a balanced selection of additives that will prevent early polymerization of reactive components from impurities and compressor gases and, therefore, reduce the formation of deposits.
Due to both the viscosity and the composition of the oil, the product is designed to work at high pressures without producing an excessive increase in viscosity that can cause lubrication problems in the machine. Furthermore, due to its compatibility with polyethylene, it can come into contact with the product during the polymerization process. It is an oil registered in NSF as H1 and that meets the requirements of FDA CFR 21 178.3570 for lubricants with incidental contact with food and, therefore, it can also be used for the manufacture of polyethylene that is going to be used in food packaging.

Properties

- Low reactivity components.
- Suitable for the manufacture of products for contact with food.
- Excellent wear protection.
- Good behavior against fouling.

Quality levels, approvals and recommendations

- BURCKHARDT COMPRESSION BURCKHARDT COMPRESSION: VSB 1001180*
- FDA CFR 21 178.3570
- NSF H1*
- PIGNONE RECIPROCATING COMPRESSOR

*Formal approval

Technical specifications

	UNIT	METHOD	VALUE
NSF registration number H1			162761
Density at 15 ºC	g/cm3	ASTM D4052	0.8752
Kinematic viscosity at 40 ºC	cSt	ASTM D445	285.4
Kinematic viscosity at 100 ºC	cSt	ASTM D445	25.18
Flash point, open cup	ºC	ASTM D92	248
Pour point	ºC	ASTM D97	-18
RPVOT	min	ASTM D2272	383
Rust, method A	-	ASTM D665	Pass
TAN	mg KOH/g	ASTM D664	6.3
TOST, incremento TAN a 2000h	mg KOH/g	ASTM D993	0.1

The above mentioned characteristics are typical values and should not be considered product specifications.