



ALTIS HV 1

DESCRIPTION

High temperature and high viscosity polyurea grease.

APPLICATIONS

ALTIS HV 1 is a high temperature and high viscosity lubricating grease based on mineral oil and polyurea thickener.

Particularly suitable for lubrication of continuous casting of blooms, wood pellets mills, and any other low speed high temperature and high load applications.

If the grease is used in central lubrication system, operating temperatures up to 200°C are allowed.

SPECIFICATIONS

ISO 6743-9: L-XBFB 1

DIN 51502: KP1R- 20

ADVANTAGES

Outstanding high temperature behavior - Ashless thickener.

Excellent resistance to water.

Very good adhesion to metals.

Excellent resistance to oxidation.

Excellent antirust and anticorrosion properties.

Compatible with most common soaps.

Can be easily pumped and injected in centralized systems.

ALTIS HV 1 does not contain lead, or other heavy metals considered harmful to human health and the environment.

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.
A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or down loaded at ms-sds.totalenergies.com

RECOMMENDATIONS

Always avoid contamination of the grease by dust and/or dirt when applying. Preferably use a pneumatic pump system or cartridges.

TYPICAL CHARACTERISTICS

PROPERTIES	METHODS	UNITS	ALTIS HV 1
Thickener		-	Polyurea
NLGI Grade	ASTM D 217/DIN 51 818	-	1
Color	Visual	-	Light brown
Appearance	Visual	-	Smooth
Temperature range	-	°C	-20 to 180
Penetration at 25°C	ASTM D 217 / DIN 51 818	0.1 mm	310 – 340
Dropping Point	IP 396/DIN ISO 2176	°C	>240
4-ball Scar	ASTM D2266	Mm	<0.5
4-ball EP	ASTM D2596	Kgf	≥ 250
Water Wash-Out	ASTM D1264	% weight	<10
SKF EMCOR Antirust performances	DIN 51 802/IP220/NFT 60-135/ISO 11007	Rating	0-0
Base oil viscosity at 40°C	ASTM D 445/DIN 51 562-1/ISO 3104/IP71	mm ² /s (cSt)	500

Above characteristics are mean values given as an information.

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