Alugrease® AS HT

FOOD-GRADE VERY HIGH-TEMPERATURE SYNTHETIC GREASE

PRODUCT	Special, synthetic, non-toxic, very-high-temperature lubricating grease, containing PTFE and other white solid lubricants, Registered in Category H1 by the USA Institution "NSF INTERNATIONAL" (see http://www.nsf.org/USDA/Listings.asp?Company=N10201 – Reg. Nr. 127775) for use in food industries where incidental food contact may take place. Aluchem products and plants have been also **Kosher** certified.
PROPERTIES	**Alugrease® AS HT** is characterized by excellent resistance to loads, high antiwear properties, antioxidant and anti-rust, high water resistance, good adhesiveness and the absence of drop point. It's therefore usable at very high temperatures. The PTFE addition further increases the load carrying capacity, lowers the friction coefficient and provides additional protection, in case of unexpected stress due to high temperature peaks, overload, misalignment, elastic or thermal distortion. Thanks to its fully synthetic nature, **Alugrease® AS HT** can remain in service for very long periods, allowing complete protection and prolonged component life, minimising maintenance and repair costs.
APPLICATION	The characteristics described above make it suitable **Alugrease® AS HT** for the lubrication of various mechanisms such as rotary bearings at medium or low speed (S.F. up to 100.000), heavily loaded and operating systematically at high temperature such as in baking ovens, various linkages, also subject to strong sliding, joints and joints, gears, chains, etc.
COMPATIBILITY	**Alugrease® AS HT** is compatible with metals and seals normally used in the industry. It is applies with regular greasing systems. It is recommended that a thorough cleaning of the mechanism to be lubricated to avoid contamination with non-toxic products previously employed

PTO

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Technical Data	Method	Unit	Typical values		
Colour	-	-	**White**		
Appearance	-	-	Homogeneous adhesive streamlined		
NLGI grade	ASTM D 217	-	**1**	**2**	**3**
Thickener	-	-	inorganic	inorganic	inorganic
Base oil	-	-	synthetic	synthetic	synthetic
Base oil viscosity at 40°C	ASTM D 445	cSt	550		
Solid lubricants	-	-	PTFE and other		
Worked penetration at 20°C	ASTM D 217	dmm	310 ÷ 340	265 ÷ 295	220 ÷ 250
Dropping point	ASTM D 566	°C	none	none	none
Flash point of base oil (COC)	ASTM D 92	°C	270		
4 Ball wear scar diameter (1200 rpm, 75°C, 40 kg, 1 hr)	ASTM D 2266	mm	0,8	0,8	0,8
4 Ball welding point	ASTM D 2596	kg	140	140	140
Speed Factor (D_m x n)	-	mm x rev./1'	100.000		
Evaporation loss, 22 hrs at 100°C	ASTM D 972	%wt	0,9	0,9	0,9
Oil separation, 24 hrs at 20°C	ASTM D 1742	%wt	3,5	2,7	1,8
Humidity cabinet test	ASTM D 1748	hrs	700	700	700
Continuous operating range	-	°C	-35 ÷ 190	-35 ÷ 200	-35 ÷ 200
Max operating temperature	-	°C	200	210	210

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