

STRUB Calor USDA H1

High quality aluminum complex grease
for the food industry



Description

STRUB Calor USDA H1 is a high quality aluminum complex soap grease for the food industry. STRUB Calor USDA H1 convinces by excellent lubricity with maximum shear stability even for ball bearings with high rotational speed in the temperature range from -20°C to +150°C. Furthermore, it has good water resistance with very good adhesion and high pressure absorption properties.

The products are NSF (H1) registered and certified by NSF according to ISO 21469 and approved for use where possible food contact may occur. Manufactured to the highest quality standards in facilities where HACCP has been implemented and forms an integral part of the ISO 9001 and ISO 21469 quality and hygiene management systems. In addition, the products are certified according to the strict guidelines of Kosher and Halal.

Application

STRUB Calor USDA H1 is for the food and packaging industry, as contact between the lubricant and food cannot be ruled out and this must not pose a risk to humans.

Features and advantages

- USDA H1 classified, contains no toxic ingredients
- excellent shear stability
- water resistant with very good adhesion properties
- high pressure absorption with excellent corrosion protection
- can be used in central lubrication systems, good pumpability

Technical data

NLGI class		Method	2	1	0	00
Art. No.			30723	33143	33142	30192
NSF Registration No.			155786	156440	156438	156439
Color	visual	-	white	white	white	white
Thickener type	-	-	Al.-Compl.	Al.-Compl.	Al.-Compl.	Al.-Compl.
Penetration at 25°C	kg/m ³	ASTM D-217	284	325	370	415
Density at 20°C		-	900	-	-	-
Drop point	°C	ASTM D-566	250	230	210	-
Operating temperature	°C	-	- 20 to +150	- 20 to +150	- 20 to +150	- 20 to +150
VKA, 4-Ball test	Kg	ASTM D 2266	315	315	315	315
VKA, 4-Ball test	mm	ASTM D 2596	0.55	0.55	0.55	0.55
Base oil viscosity 40°C	mm ² /s	ASTM D 445	140	140	140	130

Handling and storage

All food grade lubricants must be stored separately from other lubricants, chemical substances and food. In addition, the products must not be exposed to direct sunlight or any other source of heat. Storage between 0°C to +40°C. If the product is stored under the above conditions, we recommend its use from the production date of 3 years. If a product is opened, it must be used within 2 years.

The information in this technical data sheet is based on general knowledge and application possibilities. STRUB + Co. AG is not liable for damage resulting from improper use of the products. The industry-standard measurement and production tolerances apply to the specified characteristic. Generally, no legal binding can be derived from these data. Our products are subject to continuous further development. Therefore, STRUB + Co. AG reserves the right to change all technical data in this data sheet at any time and without prior notice.

Transport

ADR/SDR

No dangerous goods

Disposal

LVA VeVA / EAK:

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