

Alusynt[®] FGR Ice

FOOD-GRADE SYNTHETIC GEAR AND BEARING LUBRICANTS IN COLD STORAGE

PRODUCTS

A range of **food-grade**, synthetic lubricants, registered as **Category H1** by the USA institution **NSF INTERNATIONAL** (see <http://www.nsf.org/USDA/Listings.asp?Company=N10201> - **Registration Nr. 145702**) and suitable for applications where incidental contact with food may occur.

Aluchem products and plants have also been **Kosher** Certified.

CHARACTERISTICS AND PERFORMANCE

- Very low pour point.
- Very good adhesion.
- High protection against wear.
- High viscosity index.
- Excellent water separability.
- High performance "EP" and wear.
- Excellent rust Action.

APPLICATIONS

Recommended for the lubrication of gearboxes or transmissions of any kind and highly charged chains operating at low temperatures.

Technical Data	Methods	Unit	Typical Data				
			5	10	15	22	32
ISO Viscosity Grade	ASTM D 2422	-	5	10	15	22	32
Viscosity at 40°C	ASTM D 445	mm ² /s	5,33	10,12	15,03	22,09	32,1
Viscosity at 100°C	ASTM D 445	mm ² /s	1,77	2,78	3,58	4,73	6,10
Viscosity Index	ASTM D 2270	-	-	120	122	138	140
Density at 20°C	ASTM D 1298	g/cm ³	0,805	0,815	0,820	0,825	0,830
Pour point	ASTM D 97	°C	- 69	-66	- 63	-60	-54
Operating temperature range	-	°C	- 54 ÷ 140	- 51 ÷ 160	-48 ÷ 180	- 45 ÷ 180	- 39 ÷ 180
Demulsibility at 54°C Oil/water/emulsion (10 min)	ASTM D 1410	ml/ml/ml	40/40/0				
Foaming, Sequence I,II,III	ASTM D 893	ml/ml	0/0				
4 Ball test, 1.200 rpm (60') Wear scar diameter	ASTM D 4172	mm	< 0,4				
Copper corrosion (3hrs at 100°C)	ASTM D 130	-	1a				

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Queste informazioni sono fornite al meglio delle nostre conoscenze. Aluchem S.p.A. non si assume alcuna responsabilità relativamente al loro utilizzo. I clienti sono invitati ad eseguire loro controlli e verifiche.