

FRAGOL CHAIN E 220 FG

Synthetic H1 Food Grade Chain Oil

FRAGOL CHAIN E 220 FG is a synthetic ISO VG 220 high performance ester-based chain lubricant and utilizes latest available additive technology providing outstanding friction point wetting and load-carrying properties required in chain lubrication for the food-, feed- and pharmaceutical industries.

FRAGOL CHAIN E 220 FG meets the requirements of FDA 21 CFR 178.3570 and is H1-registered for processes where incidental food contact can occur. All FRAGOL H1-registered products are manufactured according to ISO 21469:2006 which supports producers' HACCP and GMP programs. FRAGOL H1-lubricants do not contain ingredients of animal origin or genetically modified products and are KOSHER and HALAL certified.

APPLICATION

FRAGOL CHAIN E 220 FG is recommended for use in processing machinery containing:

- Oven Chains
- Transport Chains
- Hoisting Chains, e.g. Forklift trucks
- Chain Drives

For further information on other applications please contact our technical team.

BENEFITS

FRAGOL CHAIN E 220 FG has advantages over mineral oils and other synthetic lubricants and is characterized by:

- Excellent oxidation & thermal stability
- Outstanding wear protection
- High corrosion inhibition
- Water repellent
- Very good shear stability
- No deposit/lacquer/carbon formation
- Long film life/low consumption rate

TEMPERATURE RANGE

-20 °C to 220°C

COMPATIBILITY

FRAGOL CHAIN E 220 FG is based on ester technology. The following indications are to be used as guidelines. In case of doubt specific testing at operating conditions is required.

Recommended:

Fluorocarbon (Viton®), High Nitrile (>36%) Buna-N, Teflon, Epoxy Paint, Oil resistant Alkyd, Nylon.

Not recommended:

Neoprene®, SBR Rubber, Low Nitrile (<36%) Buna-N, Acrylic Paint, Lacquer, Polystyrene, PVC, ABS.

TYPICAL CHARACTERISTICS

FRAGOL CHAIN E 220 FG	Value	Unit	Method
Appearance	Clear, yellow liquid	-	Visual
Viscosity @ 40 °C	216.3	mm ² /s	ASTM D-445
Viscosity @ 100 °C	26.1	mm ² /s	ASTM D-445
VI	153	-	ASTM D-2270
Density @ 15.6 °C	0.953	kg/l	ASTM D-1298
Total acid number	0.76	mg KOH/g	ASTM D-664
Flash point (COC)	> 260	°C	ASTM D-92
Pour point	-36	°C	ASTM D-97
Copper corrosion	1a	-	ASTM D-130
Steel corrosion	pass	-	ASTM D-665 B
FBW @ 40kg/1Hr/75°C/1200rpm	0.35	mm	ASTM D-4172
Welding load	200	kg	ASTM D-2783

15202eMd



All the above information is represented to the best of our knowledge. However, we do not take any legal responsibility for the correctness of this information or viability for use in certain applications. Technical data represent approximate values and are subject to the usual production fluctuations.