



FRAGOL CHAIN E 220 FG

FRAGOL CHAIN E 220 FG is a synthetic ISO VG 220 high performance ester-based chain lubricant which utilises 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.

APPLICATIONS

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

BENEFITS

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

TYPICAL CHARACTERISTICS

	Value	Unit	Method
FRAGOL CHAIN E 220 FG			
Temperature range	-20 to 240	°C	-
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)	> 240	°C	ASTM D-92
Pour point	-36	°C	ASTM D-5950
Copper corrosion	1a	-	ASTM D-130
Steel corrosion	pass	-	ASTM D-665 B
FBW @ 40kg/1Hr/75 °C/1200rpm	0.36	mm	ASTM D-4172
Welding load	200	kg	ASTM D-2783

SPECIFICATIONS

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, Polystyrene, PVC, ABS