

Technical Data



Performance you can trust

Chainguard 280

High temperature chain and conveyor lubricant

Product Overview

ROCOL® CHAINGUARD 280 is an ester based high temperature chain oil specifically formulated for the lubrication of all drive and transport chains and bearings at temperatures up to 280°C.

The oil is formulated from a combination of synthetic esters and a special antioxidant package which ensures the highest performance in terms of thermal stability, low evaporation loss and minimal deposit formation.

The low evaporation of the product gives extended re-lubrication intervals and good economy in use.

Features and Benefits

- Wide operating temperature range from 0°C to +280°C.
- Special antioxidant combination gives longer wet film life with lower deposit and varnish formation.
- Keeps oil-ways clear for more efficient lubrication.
- Excellent anti-wear properties at high temperature gives reduced wear and longer chain life.
- Penetrates into links and pins lubricating in the highest potential wear areas.
- Excellent frictional properties give reduced power consumption on chain drive units.
- Low evaporation and usage gives good economy in use.
- Low fuming provides a clean and safe working environment.

Directions for Storage and Use

- Product should be stored unopened in the original container.
- Storage temperature should be between +1°C and +40°C.
- If stored in accordance with the above guidelines, shelf life is 3 years from date of manufacture.
- ROCOL® CHAINGUARD 280 has been designed for application by automatic lubricators and should be used in accordance with the lubricator manufacturer's instructions.
- Can be applied directly to the chain by brush or oilcan if required.
- Compatible with most ester based oils.

Typical Applications

- ROCOL CHAINGUARD 280 is ideal for applications such as paint stoving ovens, bakery oven chains, conveyors, stenters etc.
- ROCOL CHAINGUARD 280 has been designed with an optimum viscosity which is ideal for automatic lubrication systems where small amounts are accurately applied to the lubrication point.

Pack Sizes

Pack Size	Part Code
5L	22235
20L	22236

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ROCOL A division of **ITW** Ltd



BS EN ISO 9001
Certificate No. FM 12448



BS EN ISO 14001
Certificate No. EMS 67596



OHSAS 18001
Certificate No. OHS 78173



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Property	Test Method	Result
Colour	Visual	Yellow liquid
Base Oil Type	N/A	Synthetic ester mixture
Kinematic Viscosity:		
cSt @ 40°C	IP 71 (ASTM D445)	225
cSt @ 100°C	IP 71 (ASTM D445)	19.7
Viscosity Index	ASTM D2270	100
Temperature range	N/A	0°C to +280°C
Moisture Content (ppm)	N/A	<250
Density (g/cm ³)	N/A	0.97
Flash Point (°C) COC	ASTM D93	>300
Copper Corrosion	IP 112 – ASTM D130	1b
Evaporation Test 200°C % Loss	N/A	2.6
Oxidation Test DSC Onset (°C)	N/A	325

Values quoted above are typical and do not constitute a specification.

Safety Data Sheets

Safety data sheets are available for download from our website www.rocol.com or may be obtained from your usual ROCOL contact.

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

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