Technical Data

Performance you can trust

Chainguard 550

High temperature graphited chain and conveyor lubricant

Product Overview

ROCOL® CHAINGUARD 550 is a graphite based high temperature, dry film chain lubricant specifically formulated for the lubrication of oven chains subjected to extremes of temperature up to 550°C.

ROCOL CHAINGUARD 550 is ideal for the lubrication of conveyor chains in high temperature environments where the risk of product contamination by a wet lubricant cannot be tolerated. For example, bakery oven chains, or where temperatures are too high for wet lubricants to be used.

Features and Benefits

- Temperature range:
  - Moist film - minus10°C to +180°C
  - Dry film up to +550°C
- ROCOL CHAINGUARD 550 should be applied below 120°C to achieve full penetration of the graphited lubricating solids.
- The base fluid evaporates cleanly, leaving no carbonised residues, as the oven is gradually brought up to full operating temperature.
- The product does not attract dust/dirt when operating as a dry film above 180°C.
- The dry film coating reduces issues of potential contamination commonly associated with wet chain lubricants.
- ROCOL CHAINGUARD 550 offers excellent EP and anti-wear properties at high temperature giving reduced wear and longer chain life.
- Low fuming provides a clean and safe working environment.

Directions for Storage and Use

- ROCOL CHAIN GUARD 550 is a heavy duty lubricant designed for manual application by pressure oilcan.
- It can also be brushed onto the chain, after the removal of any heavy deposits of dirt or grime.
- ROCOL CHAINGUARD 550 should be applied to a cool chain (less than 120°C), when the ovens are cooling down, to ensure adequate penetration before the clean evaporation of the base fluid as the oven returns to operating temperature.
- Product should be stored unopened in the original container between +1°C and +40°C.
- Agitate well before use and ensure product remains in suspension throughout use.
- If stored in accordance with the above guidelines, shelf life is 2 years from date of manufacture.

Typical Applications

Paint stoving ovens, bakery oven chains and other similar applications where extreme temperature and/or a dry film chain lubricant are required.

Pack Sizes

Pack Size	Part Code
5L	22076
20L	22075

T +44 (0) 113 232 2600
F +44 (0) 113 232 2740
E customer-service@rocol.com
www.rocol.com
ROCOL House, Swillington, Leeds LS26 8BS

Registered Company No. 559693 VAT No. 742 0531 67
Registered Office: Admiral House, St Leonard's Road, Windsor, Berkshire SL4 3BL

ROCOL A division of ITW Ltd

BS EN ISO 9001 Certificate No. FM 12448
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OHSAS 18001 Certificate No. OHS 78173

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Property	Test Method	Result
Colour	**Visual**	**Dark grey liquid**
Base Oil Type	**N/A**	**Polyalkylene glycol**
Performance Additives:	**N/A**	**Graphite**
Graphite Content	**N/A**	**15%**
Graphite Particle Size	**N/A**	**95% less than 10 micron**
Temperature Range:		
Moist film	**N/A**	**–10°C to +180°C**
Dry film	**N/A**	**+180°C to +550°C**
Kinematic Viscosity:	**ASTM D445**	
cSt @ 40°C	**IP 71**	**200**
cSt @ 100°C	**IP 71**	**37**
Density (g/cm^3)	**N/A**	**1.1**

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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