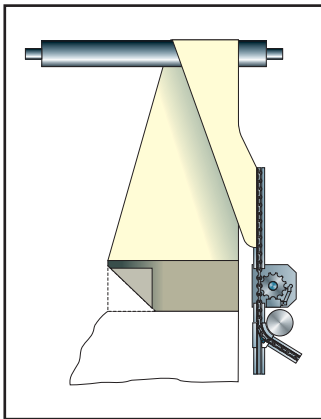


lubricant 310C

For Higher Quality In Offset Printing



Print quality and profitability are directly related to the choice lubricants.

Application

printcom lubricant 310C is a chemically neutral oil spray for abrasion prone friction surfaces. It easily penetrates into the surface structure and forms a strong adhesive, highly loadable lubricating film as needed in chains, joints or slide bearings as well as on guides.

printcom lubricant 310C is soil dissolving, non-gumming and corrosion inhibited.

It can be used within the temperature range of -10 degrees to +120 degrees C.

Advantages

- Superb adhesiveness
- Excellent penetrability
- Extremely high load capacity
- Superb corrosion and wear protection
- Excellent protection against jamming
- Dramatically reduced abrasive effect thanks to its optimized additives
- Outstanding aging resistance
- Superb corrosion protection
- Compatible with many common sealing compounds and non-ferrous metals



Each printcom lubricant has been thoroughly tested by manroland's research and development departments for its mechanical and dynamic properties, its in-press corrosion and wear characteristics, and for its resistance to aging. Use of these products will ensure efficient production processes, with the added benefit of preserving the life and value of your press.

printcom stands for "print competence" and represents manroland's offering of process-compliant system components for the printing industry. Customer satisfaction is our top priority, and the printcom team is here to serve you.

Technical Data of Base Oil

| | |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Chemical Composition | mineral oil, synthetic oil, active agents corrosion and oxidation inhibitors |
| Color | transparent |
| Density at 25 °C (DIN 51757) | 0.91 g/cm ³ |
| ISO Viscosity Class (DIN 51519) | ISO-VG 320 |
| Viscosity at 25 °C (DIN 51562) | 854.1 mm ² /s |
| Viscosity at 40 °C (DIN 51562) | 314.8 mm ² /s |
| Viscosity at 100 °C (DIN 51562) | 24.1 mm ² /s |
| Flashpoint (DIN ISO 2592) | > 200 °C |
| Temperature Range | -10 °C to +120 °C |
| Corrosion Against Copper (DIN 51759-1-100-A3) | 1 |
| Corrosion Against Iron 2 h/40 °C, with a 1 % addition of NaCl solution (10 %) | 0 |

SHELL Four-Ball Tester

| | |
|--------------------------|-----------|
| Welding Load (DIN 51350) | > 3,000 N |
|--------------------------|-----------|

Application Area and Approvals

| | |
|------------------|-----------------------------------------------------|
| Application Area | web-up device |
| Approvals | ROTOMAN, LITHOMAN GEOMAN, COLORMAN, COLORMAN XXL |

Packaging Units

All packaging units are non-returnable.

| | |
|------|--------|
| Cans | 400 ml |
|------|--------|

Augsburg.1.1208, us-englisch, lubricant 310C



manroland, Inc.
800 East Oak Hill Drive
Westmont, IL 60559
vox 630 920 2000
fax 630 321 3154
printcom@manroland.us
www.manroland.us

manroland