

Technical Data

TUFGEAR 100

Heavy Duty Open Gear Semi Fluid Grease

Description

ROCOL® TUFGEAR 100 is a graphited, heavy duty open gear grease designed for the effective lubrication and protection of gears used in extreme environments.

TUFGEAR 100 has been primarily developed for the lubrication of large girth gears and other open gears particularly where automatic lubrication systems are in use.

Applications

- Open Gears
- Girth Gears
- Cement Kilns
- Waste Pulverizer

Features & Benefits

- Wide temperature range -30°C to +120°C
- Outstanding load carrying capacity, able to cope with extremely high loads with a weld load of 800Kg.
- Outstanding corrosion protection, physical and chemical protection against pitting and corrosion.
- Protects against metal wear
- highly tenacious ensuring that the lubricant adheres to the gear teeth and does not fling off
- TUFGEAR 100 is a soft grease ideal for pumping of long distances

Directions For Use

TUFGEAR 100 should be stored in its unopened original container.

For best practice, storage temperature of should be controlled to between +1°C and +40°C.

Shelf life is 4 years from date of manufacture

For best results apply to clean gearing.

Can be applied manually or with an automatic lubricator.

Further Information

For pack sizes, part codes and safety data sheets please visit www.rocol.com or get in touch with our customer service team who will be happy to help: customer.service@rocol.com

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| Property | Test Method | Result |
|---|---------------------|--|
| Appearance | Visual | Soft, dark grey, grease |
| Penetration | IP 50 – ASTM D217 | 380 - 410 |
| NLGI No. | IP 50 – ASTM D217 | 0-00 |
| Base Type | N/A | Mineral oil |
| Base Fluid Viscosity at 40°C | IP 71 | 590cSt |
| Thickener | N/A | Aluminium soap |
| Solids | N/A | Graphite |
| Particle Size | N/A | Less than 5 microns |
| Temperature Range | N/A | -30°C to +120°C (up to 250°C as a dry film) |
| 4-Ball Weld Load | IP 239 – ASTM D2596 | 800kg |
| 4-Ball Mean Hertz Load | IP 239 – ASTM D2596 | 65kg |
| Timken 'OK' Load | IP 326 – ASTM D2509 | 45 lbs |
| FZG Gear Rig Test A/2.76/50 | DIN 51354 | Load stage 12 - pass |
| Salt Spray Corrosion Test 7 days at 35°C | N/A | No corrosion |
| Humidity Cabinet Corrosion Test 14 days at 40°C – 100% RH | N/A | No corrosion |

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

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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

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