

Product Data Sheet

CASTROL OPTISIL FM

Silicone grease, separating and lubricating agent for metal/plastics combinations

DESCRIPTION

CASTROL OPTISIL FM is a brown silicone grease. Due to its excellent separating and lubricating properties it is especially suited for applications with metal/plastics combinations. In rolling and sliding bearings with low bearing pressures CASTROL OPTISIL FM is applied as lubricating grease.

APPLICATIONS

- Separating and lubricating agent for metal/plastics combinations
- Rolling and sliding bearings under low loads
- As sealing grease in labyrinth seals
- In humid and chemically aggressive environments
- Temperature application range: - 40°C/- 40°F to + 200°C/+ 392°F

ADVANTAGES

- good compatibility with elastomers
- excellent separating properties
- suited for slightly acidic or alkaline environments
- resistant to cold and hot water, dirt-repellent
- aging-resistant and thermally stable
- conveyable in centralized lubrication systems

NOTES FOR USE

- CASTROL OPTISIL FM is not to be mixed with other lubricating greases.
- Old lubricant residues must be thoroughly removed before application.
- Fill bearing housing only about half full with grease.
- Please observe the specifications of the bearing manufacturers.

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Technical data

| | Unit | Value | Test method |
|------------------------------------|-------------------|----------------------|----------------|
| CASTROL OPTISIL FM | - | - | - |
| Color | - | brown | visual |
| Base | - | lithium/silicone oil | - |
| Consistency/NLGI grade | - | 2 - 3 | DIN 51818 |
| Worked penetration Pw 60 | 0.1 mm | 240 - 280 | DIN ISO 2137 |
| Density at + 20°C/+ 68°F | kg/m ³ | 1050 | DIN 51757 |
| Dropping point | °C °F | 215 419 | DIN ISO 2176 |
| Water resistance at + 90°C/+ 194°F | - | 0 | DIN 51807 T. 1 |
| Oil separation | wt. % | 3.0 | DIN 51817 |

These technical data are based on average test results. Minor deviations may occur from case to case.

For further product information please contact the Technical Service of Castrol Industrie GmbH.

Above data are based on extensive tests and practical experience. Considering the wide range of application requirements, they cannot, however, guarantee success in every single case. We therefore recommend practical trials. We reserve the right to change the product composition with a view to further improvement.