

Specialty
Lubricants

MOLYKOTE® 106
Anti-friction Coating

FEATURES

- Low coefficient of friction
- High load carrying capacity
- Protection from corrosion
- Good adhesion
- Can be painted over

COMPOSITION

- Solid lubricants
- Organic binder
- Solvent

Heat-curing dry lubricant

APPLICATIONS

- For smooth coating of metal/metal combinations.
- Maintenance-free, permanent lubrication of highly stressed friction combinations with low speeds or oscillating operation.
- Used where design construction prevents the use of oil or grease or where the risk of soiling is undesirable.
- This product is used successfully for the dry lubrication of locks, hinges, joints, magnetic armatures and for the anti-seizure coating of engine and gear components.

TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

| Standard* | Test | Unit | Result |
|-------------|--|------------|----------------------|
| | Color | | Dark grey |
| | Physical properties | | |
| DIN 53211/3 | Viscosity at 20°C (DIN3 cup) | s | 42 |
| DIN 53217/2 | Density at 20°C | g/ml | 1.16 |
| CTM 0242 I | Non-volatile content | % | 41 |
| | Temperature | | |
| | Curing time | minutes/°C | 60/150 |
| | Curing time | minutes/°C | 30/180 |
| | Service temperature range | °C | -70 to +250 |
| | Load-carrying capacity, wear protection, service life | | |
| ASTM-D2625 | Falex load-carrying capacity ¹ | N | p=13600* s=11300* |
| ASTM-D2714 | LFW-1, rotating ¹ F=2860N, n=72 minutes ^{a1} , v=7.9m/minutes no. of revolutions x1000 to μ=0.1 | | p=187* |
| ASTM-D2714 | LFW-1, oscillating ¹ F=900N, frequency=89.5osc./minutes no. of oscillations to μ=0.08 | | p=409* |
| | Corrosion protection | | |
| ISO/R 1456 | Salt spray test | h | 2 |

1. * Surface:p = phosphatized, s = sand-blasted.

* CTM: Corporate Test Method, copies of CTMs are available on request.

ASTM: American Society for Testing and Materials.

DIN: Deutsche Industrie Norm