

Molydane Moly Powders

MolyDane moly powders are a very pure form of molybdenumdisulphide, and are excellent lubricants with typical coefficient of friction values from 0,04 to 0,10. They are grey-black powders, having a melting point above 1480°C(2700 °F). Oxidation begins in dry air at 350-400°C(750°F) and increases fast with increasing temperature. In vacuum or non-oxidizing atmospheres it is stable up to100°C(2000°F). In low temperature area it works down to ±185°C. Loadbearing capabilities can exceed 3 x 10.000.000.000 N/m²(400.000 psi)

Applications:

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|----------------------------|---|
| MolyDane 1001 Moly powder: | PTFE – Nylon – plastics – as dry lubrication |
| MolyDane 1002 Moly powder: | PTFE – Greases – Pastes – as dry lubrication |
| MolyDane 1003 Moly powder: | Greases/pastes – suspensions in oil/synth.oil – dry lubrication |

Specifications

| MolyDane powders | 1001 | 1002 | 1003 |
|--|---|---------------------------------------|---------------------------|
| Particle sizes are max valus | Technical ÷200mesh | Tech-fine (Microsize) | SuperFine (the finest) |
| Average particle size In microns (Fisher) | 3-4 | 0,65 -0,75 | 0,4 – 0,5 |
| Maximum particle size in microns(US Sieve) | 75 | 15 | 5 |
| Acid number (at production time) | 0,05 | 0,05 | 0,10 |
| Contents, % by weight: | | | |
| Mos-2 minimum (typical) | 98 | 98 | 97 |
| Acid insoluble | 0,5 | 0,5 | 0,75 |
| Iron | 0,3 | 0,3 | 0,40 |
| Molybdenumtrioxide | 0,05 | 0,05 | 0,05 |
| Water | 0,02 | 0,05 | 0,10 |
| Oil | 0,05 | 0,40 | 0,70 |
| Carbon | 1,80 | 1,80 | 2,70 |
| Quality level | Mil-M-7866 | NATO S-740 MOD 68-22/2 06.08.93 | |
| Storage: Use if possible in one lot | Store dry, preferably under Nitrogen carpet | | |

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Please mail your inquiry to: info@reinhardoil.dk