

MOLYDUVAL

Carat T



PTFE Dry Lubricant Powder

A premium grade polytetrafluoroethylene (PTFE) powder with a low average particle size when dispersed. It is a multifunctional additive providing extreme pressure, anti-wear and low friction properties to greases/pastes and dry lubricant. It can be used with silicone oils, esters, poly-alphaolefin, and white mineral oils. It can also be dispersed, in vehicles such as alcohols, which will eventually dry, leaving behind the PTFE powder to act as a dry lubricant.

Enables the formulation of Extreme-Pressure, Anti-Wear and Low Friction food grade lubricants, working under high and low temperatures. Provides good thickening efficiency due to the small size and uniformity of its particles. (Very high shear is recommended to disperse this product). Is resistant to water, solvent, aggressive chemical and heat up to 250°C.

Properties

- * chemically inert to most materials like plastic and rubber
- * harmless to health
- * low friction coefficient
- * inflammable

Applications

- * as additive to gear oils
- * as additive to engine oils
- * for adding to thermoplastics
- * for formulation cremes and pastes
- * for manufacturing of gear oils
- * as additive to machinery oils, if friction should be reduced
- * for cold forming of metals
- * as release agent for plastic and rubber molds, foams, and latex
- * as release agent for plastic molds
- * as sliding agent for wood

Technical Datas

Basis		PTFE
Fineness Ø	µm	6
Fineness Korngrösse	µm	2,5
Density Schüttdichte	kg/m ³	400
Congeaing Point	°C	325
Density	kg/m ³	2150

For further information, please see our website www.molyduval.com or consult your local representative.

The content of this manual is based on our current knowledge and experience in the development and manufacture of lubricants. Because of the complexity of tribological systems, the effect of our products depends on many parameters, which we cannot assess and which influence we cannot evaluate. For this reason general statements about the function of our products are not possible. The information in this manual, therefore, contains non-binding guidelines, which should give the technical trained reader information on possible applications. The information in this manual does not include property assurances or warranties or guarantees to the properties or suitability of this product in a specific application. Prior to its use it is absolutely necessary to test this product in the application to ensure that the product and its use is safe, economical and fully suitable. It should proceed with due diligence.