LUBRICANT & ANTI-STICK

MICROFRAL® 100

TECHNICAL PROPERTIES

Composition:	Lubricant Binder	**Graphite** specific inorganic compound
Application:	Process Patented	Inlay
Drying:	**Ambiant air** .... 7 days **Steaming** ..... 2 hours at 150°C or 4 hours at 90°C	
Compatibility:	Demineralized Water Liquid oxygen Oxygen gas Hydrogen Nitrogen Propellant Kerosene Hydrocarbons Solvents	Well dressed
Operating temperatures:	**In the air :** maximum: 1093°C minimum: -253°C **In the void :** maximum: 1482°C minimum: -253°C	
Coefficient of friction	Resting Moving In the void	Low 0.06 - 0.07 Low
Radiation resistance	Good	
Resistance to degassing	According to Standard ESA / PSS 09 Q.R.M. 02T	

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TECHNICAL PROPERTIES

Pressure resistance	at any pressure accepted by the support	
Fatigue test	Pression 3.45 x 10^7 N/m²	
Electrical conductivity	Satisfactory	
Corrosion resistance	Support function	
Weight loss in a vacuum	Negligible at 10^{-9} Torr (1.33 x 10^{-7} N/m²	
Substrates	Elastomer and synthetic materials Cuprous metals Iron metals Non-ferrous metals as well as all processed media	Compatible
Other properties	Non-flammable Non explosive Lubricating action Use in vacuum and in radioactive environments Antistatic effect Lowering of the friction coefficient Increased pressure resistance	
Typical uses	Reduction of the coefficient of friction on all mechanical systems in motion Release agent	On rotary and linear systems On injection molds

FLUOROTECHNIQUE

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