

ULTRA-TEK CRYSTAL LUBE

A premium quality, oxygen safe, non-flammable perfluorinated polyether grease with exceptional thermal stability and chemical resistance

Crystal Lube is a special PTFE thickened grease with a medium viscosity perfluorinated polyether base oil designed for extreme long term lubrication even in the most aggressive chemical and gas applications. **Crystal Lube** has exceptional thermal and chemical stability and is suitable for high pressure air, nitrous oxide and oxygen (gas and liquid) systems with no fear of combustion.

Crystal Lube is physically and chemically inert and totally resistant to water and all common chemicals. It is also compatible with elastomers and plastics.

FEATURES AND BENEFITS

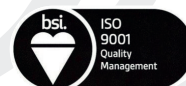
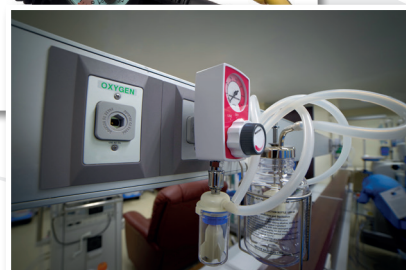
- Excellent thermal stability
 - Prolongs lubrication intervals, extending component life
- Excellent chemical stability
 - Safe to use in extremely harsh chemical environments
- Chemically Inert
 - Safe to use on oxygen and other gas and liquid gas applications
- Very good oxidation stability – ensures maximum life of lubricant
- Good anti-wear properties – reduces friction and component wear
- Non flammable – Leaves no residue at high temperature

APPLICATIONS

- Industrial: All types of bearings threads and applications in aggressive or corrosive conditions, including temperature extremes, ideal for breathing equipment in PPE, Safety Equipment and SCUBA Diving. Lubrication of mechanical parts operating at high vacuum in contact with aggressive chemicals or oxygen.
- Breathing regulators:- Scuba Diving, Personal Protective Equipment, Medical
- Roller bearings, articulations subjected to consistent high temperatures
 - Mechanical components operating under medium load, high speed
 - Food, Nuclear, Chemical, Oxygen, Aerospace industry applications
- Mechanical parts operating at high vacuum
 - Clean room applications
 - Lifetime sealed, maintenance-free bearings – Ventilation fan bearings

METHOD OF APPLICATION

Crystal Lube can be applied by hand, or via is also available in a syringe. As with all greases used for the first time, check compatibility with the grease applied previously and if necessary, purge bearings prior to application.



PROPERTIES	VALUES	UNITS	STANDARDS
Colour	White		
Mass Volume (20°C)	1.98	Kg/dm ³	ISO 2811
Thickener	PTFE		
Base Oil	PFPE		
Base Oil Viscosity @ 40°C	240	mm ² /s	ISO 3104
Consistency	2	Rank	NLGI
Drop point	Without	°C	ISO 6299
Max rotation factor	400.000	N x dm	
Corrosion test EMCOR	0	Quotation	DIN 51802
Worked penetration	265/295	X 0.1mm	ISO 2137
Viscosity Index	134		
Anti-Rust Rating	Pass		ASTM D1743
Coefficient of friction	0.08		ASTM D2266
4 ball weld load	>620	daN	ASTM D2596
Temperature range	-30 to +260	°C	

Pack sizes from: 28gram syringe, 1 kg pot, 400ml carts, 10kg kegs, 20 kg kegs

Product Code: ML-15502

Trust Mako-Lube Specialist Lubricants A Family owned International Brand!



A British Lubricants Company

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