



DRY FILM LUBRICANTS



Dry Film Lubricants

Dry film lubricants provide a number of advantages over greases and oils. Dry film lubricants provide lubrication over a much wider range of temperatures and pressures, than greases and oils. They are more resistant to corrosion and chemicals, they do not attract and hold dirt and dry film lubricants are permanent coatings, which do not need to be reapplied like greases and oils.

Dry film lubricants provide coefficients of friction between 0.02 and 0.08. Additionally, they have a maximum load carrying capacity of 250,000 pounds per square inch.

Because of these advantages dry film lubricants are ideal for critical applications where conventional lubricants are unsuitable or do not provide sufficient protection.



Advantages of IFT's Dry Film Lubricants

- Awarded preferred supplier status with many industry leading companies
- IFT is a leading authority in Dry Film Lubricant Coatings
- Superior process controls
- IFT only uses quality certified coatings
- More consistent standardization of formulation
- Superior accuracy, exceeds industry standards
- Environmentally responsible company
- "Soft touch" part handling
- Strategic alignments with world-class chemistry suppliers and technical experts
- Greater performance, with better value, at a competitive cost
- Many additional, supporting processes for a one-stop source
- In house testing lab
- Processes managed by college degreed and experienced professionals



A Few of the Products We Use

Everlube
Sandstrom
Whitford
Dow Corning
Xylan
Molykote
Lubelok
Poxylube
Sermatech
Alseal
Dupont
Everlube

Dry Film Lubricant Types

Polytetrafluoroethylene (aka PTFE)	Acid, base and solvent resistant, high temperature resistant, superior lubricity
Molybdenum	High pressure resistant, non-conductive, chemical and acid resistant
Molybdenum Disulfide	Effective in high vacuum applications, high temperature resistant,
Graphite	Electrically and thermally conductive, high temperature resistant, flexible, high lubricity
Precious Metal	Solderable, electrically and thermally conductive, high temperature resistant



Dry Film Lubricant Coating Capabilities

Lubricant Types	Substrates
Polytetrafluoroethylene (aka PTFE)	Aluminum
Molybdenum	Titanium
Molybdenum Disulfide	Chromium
Graphite	Nickel
Precious Metal	Copper
Pre-Treatment Operations	Brass
Chemfilm	Steel
Chemical Conversion Coatings	Stainless Steel
Phosphate	Most Metals, some Non-Metallics
Mechanical Clean	Characteristics
Abrasive Blasting	High Temperature
Passivate	Low Friction
Processed by/with	Lubricity
Spray	Abrasion Resistance
Dip - Spin	Chemical Resistance
Tumble spray	Corrosion Resistance
Thermally Cured	Reduces Friction
Air-dry	Improve Wear Resistance
Masking	Production Capacity
Selective Coating	Small precision parts
Stripping	Prototypes
Burnishing	High Volume Production Orders
Coefficient of Friction	Lead Times
Min: .02	Short Lead Times Expediting Available
Max: .08	Customer Support
Load Carrying Capacity	Manage Customer's Patented Processes
Max: 250,000 psi	Provide Exclusive Production Work Centers

IFT's Industry Certifications

Registered small business
 ITAR Registered
 ROHS Compliant
 NADCAP Accredited
 TS-16949 Registered
 AS-9100 Registered
 ISO-9002 Registered
 ISO-14001 Registered

IFT's Industry Specifications

Some of our 1400+ specs
 AS-5272
 MIL-PRF-46010
 MIL-L-46010
 MIL-L-81329
 MIL-DTL-24441

IFT's Prime Customers

Boeing
 Lockheed Martin
 Space X
 BAE
 Caterpillar
 General Dynamics
 Rock Island Arsenal
 NASA
 Honeywell
 Remington
 Borg-Warner
 Raytheon
 Federal Mogul
 Cooper Bussman

IFT's Services & Capabilities

Electroless Nickel Plating
 Type II Class I Anodizing
 Dry Film Lubricant Coatings
 Phosphate Coating Services
 Non-Destructive Testing Services
 Passivation Services
 Conversion Coating Services
 Painting and Special Coatings
 Media Blasting

Expanding Capabilities:

IFT frequently works with our customers to add to our capabilities to meet their needs. Our flexibility has allowed us to add processes to our offerings, increase the capacity of our lines for both physically larger parts and larger volume orders, as well as developing entirely new processes to solve the challenging issues our customers face. If you are struggling to find a dynamic growth company with a solution to a problem with part wear or corrosion,

Call IFT Today.



**“Improving lives
 by improving
 products.”**

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