



BENEFITS

- Superior corrosion resistance
- For ferrous, non-ferrous and mixed-metal parts
- Broad resistance to chemicals, acids and alkalines
- Prevents galling
- Self-lubricating for extended wear
- Provides superior mold release
- Complete protection at temperatures from -400F to +600F (-182C to +288C)
- Shore D hardness range 75 - 85
- Breakdown voltages range 700V - 8400V
- USDA/FDA/ITAR/RoHS code compliance
- Permanent dry lubricity
- COF as low as 0.048
- Radiation and U/V resistance
- Taber Abrasion tests show weight loss as low as 6.4mg for 500 cycles and 10.3mg for 1000 cycles
- Thickness range 0.001" - 0.030"
- Dielectric strength range 600 - 2200 v/mil

Lectrofluor®

Polymer-Based Coatings Provide Superior Corrosion and Chemical Resistance, Plus Mold Release...Even in Extremely Hostile Environments

The LECTROFLUOR series of polymer-based surface enhancement coatings provides ferrous, non-ferrous and mixed-metal parts with superior resistance to corrosion and chemicals. Coatings in this series also exhibit a very low coefficient of friction, and offer excellent release properties. Many types comply with USDA and FDA codes for food and pharmaceutical contact.

EXAMPLES OF LECTROFLUOR IN USE



A variety of LECTROFLUOR types are available for mold release, and many are USDA/FDA compliant.



FDA/USDA-compliant LECTROFLUOR coatings prevent food particles from sticking to dough-former rollers. Permits cleanup without caustics.

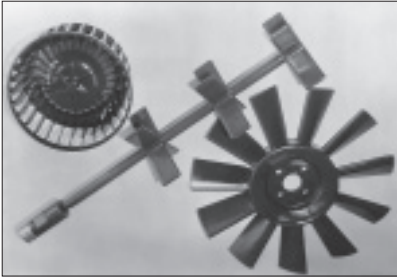


Valve discs and stems used in an acid pump were coated with LECTROFLUOR to resist corrosion and protect against chemical attack.

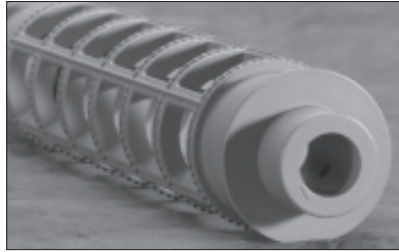


LECTROFLUOR was applied to pneumatic cylinders to resist corrosion from caustic washdown solutions.

EXAMPLES OF LECTROFLUOR IN USE (CONTINUED)



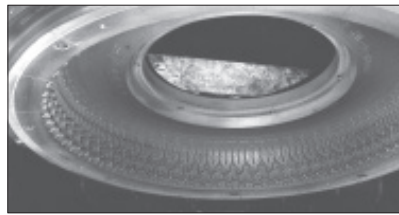
Blower and agitator components are protected against chemical attack.



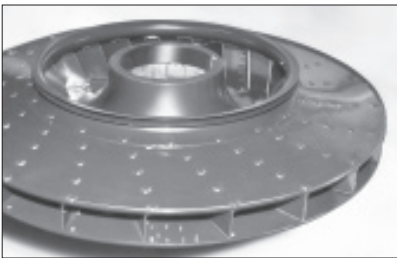
A LECTROFLUOR non-stick coating on a ravioli roller prevents food sticking and allows cleaning without production slowdown.



Pump parts used in chemical processing equipment are protected against costly deterioration by a chemical-resistant LECTROFLUOR coating.



Mold release problems on a rubber tire mold are eliminated when the mold is coated with LECTROFLUOR.



Impeller parts used in mining are protected against destructive effects of reagents and acids as well as against wear from slurries.



Non-stick LECTROFLUOR coating on arbors permits instant separation of the arbors from voice coils used in audio speakers, resulting in a 75% reduction in arbor rejects.

TYPICAL APPLICATIONS

- Air moving equipment
- Pumps
- Scrubbers
- Pipe valves
- Meter housings
- Mixing vats
- Probes
- Mounts
- Housings
- Dryers
- Stirrers
- Sealing dies
- Conveyor systems
- Rolls



Metal valves coated with LECTROFLUOR exhibit superior resistance to corrosion even when exposed to corrosive slurries and harsh chemicals.



ISO 9001:2008
Certificate #43114

