

# THE THERMAL-LUBE

## FAST DRYING FILM LUBRICANT WITH GRAPHITE

# XL2351

July 2022

**XL2351** is a solvent-dispersed colloidal graphite that air dries at room temperature and adheres tenaciously to most substrates with minimum surface preparation.

**XL2351** is an exceptionally stable compound of micro-graphite and a thermoplastic resin diluted with isopropyl alcohol offering superior performance at high temperatures and with heavy loads.

**XL2351** offers:

- Ultra thin opaque film
- Excellent adhesion
- Good electrical conductivity
- Room temperature curing
- Very low coefficient of friction

### SURFACE PREPARATION:

Substrate must be clean and dry.  
A solvent wipe and air dry is sufficient for most applications.

### DILUTION:

**XL2351** is thixotropic in nature and will gel during storage. Preparation involves thorough agitation and dilution with isopropanol (or alcohol, ester, or ketone) to the consistency required for the application method chosen.

### APPLICATION:

Can be applied by spray, brush, dip, or roller methods. Always agitate thoroughly just before using.

### CURING:

Coating air-dries to touch in five minutes under normal ambient conditions. Full cure properties develop in approximately two hours, depending on the film thickness.

PHYSICAL PROPERTIES	
<b>XL2351 (as supplied)</b>	
Lubricant	Colloidal graphite
Binder	Thermoplastic resin
Fluid Component	Isopropyl alcohol
Diluents	Alcohol, ketones, esters, trichloroethylene
Colour	Black
Flash Point (°C / °F)	10 / 50
<b>XL2351 (when cured)</b>	
Coefficient of Friction	0.19
Service Temperature	454°C / 850°F
Intermittent Temperature	550°C / 1025°F

**FLAMMABLE LIQUID  
MIX THOROUGHLY BEFORE USING**



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