

**Lapping Compounds - keywords:**

Lapping Compounds

**See products fact sheets below.**

**1 Description:**

TechLap is an abrasive silicon carbide compound formulated for the finishing and polishing of metal surfaces to ensure precision mating of metal parts. TechLap produces highly polished surfaces in valve, valve guide operations and creates smooth surface finish in machined parts, such as ring and pinion gear teeth, to prevent chatter in mated surfaces and reduce NVH. TechLap is easily removed with most conventional parts cleaning systems. TechLap may be provided in multiple abrasives and abrasive FEPA sizes ranging from F180 – F600. A Fortech Customer Service Representative will work with you to achieve the best size abrasive and viscosity to meet your specifications needs.

This post is also available in: Spanish

**Typical Properties (Not Specifications):**

Appearance	Black-Gray Viscous Gritty Liquid
Viscosity (Brookfield #3 Spindle @ 60 RPM)	cPs varies based on grit size
Density (lbs/gal):	11.8

**Health & Safety**

TechLap is available in 55-gallon drums, 300 gallon totes and 5 gallon pails.

Storage And Handling: See Safety Data Sheet Before Use. Product be stored at temperatures between 45°F– 90°F. Do not expose to extreme high temperature due to container rupture. Do not pressurize drum or reuse empty container. Follow all safety regulations on label.

Non-Warranty: While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Fortech Products, Inc. makes no warranty with respect thereto and disclaims all liability for reliance therein.

**Features / Benefits**

- Produces ultra smooth polished surface
- Achieves perfect mating of machined parts
- Achieves precision dimensions
- Excellent washability
- Long term stability

**Mix / application & Use**

Mix before use. Add TechLap directly to the lapping sump. To maintain lapping compound flow keep sump temperatures consistent. Sump magnets should be cleaned of iron fines frequently. Sump should be periodically sweetened to reduce iron content and freshened with sharp abrasive. Do not contaminate with water or water containing products. Routine sump cleaning and recharging is recommended. Clean and flush lapping compound with Fortech Techlap Lapping Vehicle.

## 2 **Description:**

TechLap Vehicle is used in conjunction with abrasive to form our TechLap line of products. TechLap Vehicle is an oil-based solution that blends easily with the abrasive to make the finished lapping compound. TechLap Vehicle may also be used as a lapper system flush. As a lapper flush, TechLap Vehicle will clean and suspend abrasive buildup within lapper sump, piping and lapper cabinet walls. Residual lapping vehicle will mix into fresh compound recharge with no adverse affect to product washability or stability.

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### **Typical Properties (Not Specifications):**

Appearance	Opaque Brown Oil
Viscosity (Brookfield)	450 cPs
Density (lbs./gallon)	7.9

### **Health & Safety**

TechLap Lapping Vehicle is available in 55-gallon drums, 330 gallon totes and 5 gallon pails.

Storage And Handling: See Safety Data Sheet Before Use. Use at room temperature. Use at room temperature. Store at temperatures between 45°-90°F. Do not expose to extreme high temperature due to container rupture. Do not pressurize drum or reuse empty container. Follow all safety regulations on label.

Non-Warranty: While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Fortech Products, Inc. makes no warranty with respect thereto and disclaims all liability for reliance therein.

### **Features / Benefits**

- Suspends lapping abrasive
- Cleans readily with alkaline cleaner
- No offensive odor
- Can be used as a lapper flush
- Will mix readily with fresh lapping compound charge

### **Mix / application & Use**

Used as a lapping compound vehicle: While mixing slowly add abrasive to vehicle up to 50% by weight. Mix for 1 hour. Sample top and bottom, test to ensure it is equal and meets specifications.

Used as a lapper system flush: Completely drain lapping compound from lapper. Remove and clean magnets. Wipe up lapping compound from bottom of sump and within the lapper cabinet. Add TechLap Lapping Vehicle directly to sump and/or cabinet, filling sump to half full. Wipe down walls and pipes within lapper cabinet. Replace magnets. Recirculate TechLap Lapping Vehicle for 30 minutes. Wipe walls of cabinet. Pump out TechLap Lapping Vehicle. Wipe out residual Vehicle from bottom of sump. Remove and clean magnets, then replace. Recharge lapper with fresh TechLap Lapping Compound. Circulate for 15 minutes before lapping.