

# Flexane<sup>®</sup> 94 Liquid

Flexane 94 Liquid by Devcon a low - viscosity, castable, non-shrinking urethane compound. It is used to reproduce low to medium-volume or discontinued rubber parts from flexible molds and non-scratching holding fixtures/linings to encapsulate wire and electronics subject to impact, vibration, expansion and contraction.

Flexane 94 Liquid mixes and pours easily, requiring a 5-hour demoulding time. A room temperature curing urethane with no heat required.

## RECOMMENDED APPLICATIONS

- ▶ Reproduce low to medium volume or discontinued rubber parts
- ▶ Form flexible molds and nonscratching holding fixtures/linings
- ▶ Encapsulate wire and electronics subject to impact
- ▶ Vibration
- ▶ Expansion, and contraction

### TYPICAL PROPERTIES

Colour	Black
Mix ratio	By vol. 2.25:1 by wt. 2.19:1
Mixed viscosity	6000 cps.
% Solids by volume	100
Specific volume cm <sup>3</sup> /kg	956
Cured shrinkage	.0014 in./in.
Maximum operating temperature	Dry: 82°C; Wet: 49°C
Coverage m <sup>2</sup> /kg	.956@1mm
Cured hardness	97A
Dielectric strength kv/mm.	14
Demolding time	5 hrs.
Tensile strength	2,800 psi
Tear resistance	415 pli
Maximum elongation	500%
Abrasion resistance	330mg loss per 1,000 revolutions (H 18 wheel/1000 cycles)
Functional cure	16 hrs.
Pot life minutes @ 25°C	10 min.

### CHEMICAL RESISTANCE

7 Days Room Temperature Cure, 30 days immersion	
1,1,1-Trichloroethane	Poor
Aluminum Sulfate 10%	Very good
Cutting Oil	Poor
Gasoline (Unleaded)	Poor
Hydrochloric 10%	Very good
Hydrochloric 36%	Very good
Isopropanol	Poor
Methyl Ethyl Ketone	Poor
Phosphoric 10%	Very good
Potassium Hydroxide 40%	Very good
Sodium Hydroxide 50%	Very good
Sodium Hypochlorite 5%	Fair
Xylene	Poor

## ORDERING INFORMATION

Item	Unit Size	Stock No.
Flexane <sup>®</sup> 94 Liquid	500gm	15250

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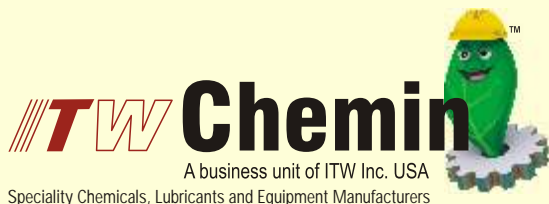


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