

# Flexane® 80 Liquid

Polyurethane

Devcon

Message:

A medium-viscosity castable, nonshrinking urethane compound.

Intended Use:  
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.

Product features:  
10-hour demolding time  
Room temperature curing urethane/no heat required  
Mixes and pours easily

General Information			
Features	Good flexibility		
	Low shrinkage		
	Medium viscosity		
Uses	Electrical/Electronic Applications		
	Mold/Mold/Tool		
Appearance	Black		
Forms	Liquid		
Processing Method	Enclosure		
	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Volume	0.957	cm <sup>3</sup> /g	
Solid content-by Volume	100	%	
Maximum Operating Temperature			
Dry	82	°C	
Wet	49	°C	
Molding Shrinkage - Flow	0.18	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	87		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	14.5	MPa	ASTM D412
Tensile Elongation (Break)	350	%	ASTM D412
Tear Strength	61.3	kN/m	ASTM D624
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	14	kV/mm	ASTM D149
Thermoset	Nominal Value	Unit	

Thermoset Components		
Resin	Mixing ratio by weight: 77	
Hardening method	Mixing ratio by weight: 23	
Pot Life (24°C)	30	min
Thermoset Mix Viscosity	10000	cP
Demold Time	600	min
Additional Information		
Cured 7 days @ 75°F		
Uncured Properties	Nominal Value	Unit
Curing Time	16	hr

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

