## **Conathane TU-89MF**

Polyurethane Conap, Inc, a Division of Cytec Industries Inc.



General			
Material Status	<ul> <li>Commercial: Active</li> </ul>		
Availability	North America		
Features	<ul> <li>Good Abrasion Resistance</li> <li>Good Chemical Resistance</li> <li>Good Tear Strength</li> </ul>	<ul><li>Good Toughness</li><li>High Elongation</li><li>High Tensile Strength</li></ul>	Solvent Resistant
Uses	<ul><li>Acoustic Barrier</li><li>Belts/Belt Repair</li><li>Bushings</li></ul>	<ul> <li>Diaphrams</li> <li>Gaskets</li> <li>Molds/Dies/Tools</li> </ul>	<ul><li>Pulleys</li><li>Washer</li><li>Wheels</li></ul>
Appearance	Amber		
Forms	Liquid		
Processing Method	Casting		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.08	1.08	ASTM D792
Molding Shrinkage - Flow	0.025 in/in	2.5 %	ASTM D955
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	3200 psi	22.1 MPa	ASTM D412
Tensile Elongation (Break)	600 %	600 %	ASTM D412
Tear Strength	425 lbf/in	74.4 kN/m	ASTM D624
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A)	89	89	ASTM D2240
Thermoset	Nominal Value (English)	Nominal Value (SI)	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 53, Mix Ratio by Volume: 50	Mix Ratio by Weight: 53, Mix Ratio by Volume: 50	
Resin	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100	
Pot Life (77°F (25°C))	15 to 25 min	15 to 25 min	
Thermoset Mix Viscosity (77°F (25°C))	4000 cP	4000 cP	ASTM D2393
Demold Time			
77°F (25°C)	300 min	300 min	
176°F (80°C)	180 min	180 min	
Post Cure Time (77°F (25°C))	170 hr	170 hr	

## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

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Revision History Document Created: Tuesday, July 21, 2009 Added to Prospector: May, 1998 Last Updated: 11/13/2003