Conathane TU-89MF
Polyurethane
Conap, Inc., a Division of Cytec Industries Inc.

General
Material Status • Commercial: Active
Availability • North America
Features • Good Abrasion Resistance • Good Chemical Resistance • Good Tear Strength • Good Toughness • High Elongation • High Tensile Strength • Solvent Resistant
Uses • Acoustic Barrier • Belts/Belt Repair • Bushings • Diaphragms • Gaskets • Molds/Dies/Tools • Pulleys • Washer • Wheels
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 Components
Hardener
Mix Ratio by Weight: 53, Mix Ratio by Volume: 50
Resin
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
1 Typical properties: these are not to be construed as specifications.