

## PRODUCT DATA BULLETIN

### HP-90

### POLYURETHANE ELASTOMER

HP-90 is a tough, impact resistant polyurethane elastomer formulated for room temperature hand batch processing. Excellent physical properties are obtained without the utilization of MOCA or TDI.

#### APPLICATIONS

- \* Rollers
- \* Limited Production Runs
- \* Fixtures
- \* Bumpers
- \* Prototypes
- \* Molds

#### TYPICAL PROPERTIES

Resin/Hardener ratio (Parts. by Weight)	100/50
Resin/Hardener ratio (Parts by Volume)	100/50
Resin viscosity (@ 77 ° F.)	5500 cps
Hardener viscosity (@ 77 ° F.)	75 cps
Initial mixed viscosity	1500 cps
Working life	3 – 4 minutes
Color	Amber
Demold time	1 hour @ 150° - 180° F.

#### CURED PROPERTIES

	<u>Test method</u>	<u>7 Days @ Room Temp. OR 2 hrs. @ 180°F. + 24-hrs. @ room temp</u>
Hardness	ASTM D-2240	75-85A
Tensile Strength	ASTM D-638	1500 psi
Elongation at Break	ASTM D-638	300 %
Tear Strength	ASTM D-624	300 pli
Linear Shrinkage	ASTM Mold #1	0.003 in./in.
Density	Grams/cc	1.08

( HP-90 Cont.)

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*DO NOT USE UNTIL MSDS BULLETINS HAVE BEEN READ AND UNDERSTOOD.*

Store containers in a cool, dry location. Partially used containers should be blanketed with dry nitrogen and sealed to prevent moisture contamination. Moisture will react with part A component, creating carbon dioxide gas and a possible pressure increase in the container.

PLEASE NOTE

**SPECIFICATION WRITERS:** The above values are meant to represent typical properties only. Customers are encouraged to qualify products in their own laboratories prior to specification publication.

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