



# Por-A-Thane<sup>TM</sup>

## E93TS

### APPLICATIONS

Por-A-Thane E93TS is a TDI\PTMG prepolymer used in the manufacture of high-property solid cast polyurethane elastomers, such as forklift tires, sheet goods, wheel, rollers, and seals.

### CHARACTERISTICS

|                            |                     |
|----------------------------|---------------------|
| Appearance                 | Light Yellow Liquid |
| NCO Content                | 4.9 – 5.2 %         |
| Viscosity at 122° F (50°C) | 3000CPS             |
| Specific Gravity           | 1.1                 |

Please note the information contained in this bulletin is a reference only and not meant as a specification. Please contact the technical service department at PUMA Polymers, Inc. to obtain material specifications.

### PROPERTIES OF CURED ELASTOMER

|                             |       |
|-----------------------------|-------|
| Curative                    | MBOCA |
| Stoichiometry               | 95%   |
| Durometer Hardness, Shore A | 93    |
| Ultimate Tensile, PSI       | 7300  |
| Elongation, %               | 530   |
| Tear Die C, PLI             | 592   |
| Split tear, kN/m PLI        | 122   |
| Resilience, Bashore, %      | 47    |

### PROCESSING

|                                  |                      |
|----------------------------------|----------------------|
| Curative                         | MBOCA                |
| Stoichiometry                    | 95%                  |
| Prepolymer Temperature           | 90-100°C (194-212°F) |
| Mold Temperature                 | 90-110°C (194-230°F) |
| Gel Time (Minutes)               | 9-10                 |
| Demold time @ 100°C (212°F), hrs | 1                    |
| Curing time @ 100°C (212°F), hrs | 24                   |
| Shelf Life, Months               | 6                    |
| Storage Conditions               | <35°C (95°F)         |



**ATTENTION**

When using any chemical, the following safety precautions must be followed:

**Use only in WELL VENTILATED areas. Avoid prolonged or repeated contact with skin. Wear CHEMICALLY RESISTANT RUBBER GLOVES, RUBBER APRON and SAFETY GLASSES. If swallowed, or in the event of contact with eyes, IMMEDIATE MEDICAL ATTENTION is advised. Read MATERIAL SAFETY DATA SHEET.**

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