



Por-A-ThaneTM

A85T

POR-A-THANE A85T is a TDI/polyester polyurethane prepolymer which yields 85 Shore A hardness when cured with 4,4' methylene-(ortho-chloroaniline), commonly called MBOCA.

CHARACTERISTICS

| | |
|--------------------|----------------|
| Appearance | Waxy Solid |
| NCO Content | 3.3 - 3.6% |
| Viscosity at 212°F | 1250 ± 250 CPS |
| Specific Gravity | 1.16 ± .005 |

PROPERTIES OF CURED ELASTOMER

| | |
|-----------------------------|-------|
| Curative | MBOCA |
| Durometer Hardness, Shore A | 85 |
| Modulus, PSI | |
| 100% | 640 |
| 300% | 1140 |
| Ultimate Tensile, PSI | 7100 |
| Elongation, % | 575% |
| Tear Die C, PLI | 420 |
| Resilience, Bashore, % | 40% |
| Compression Set, Method B | 23% |

PROCESSING

| | |
|------------------------|------------|
| Curative | MBOCA |
| Processing Temperature | 212°F |
| Pot Life | 8 Minutes |
| Demold Time | 45 Minutes |
| Post Cure Time | 8 Hours |
| Temperature | 212°F |



APPLICATION

Typical uses would include mining wear parts, mining screens, wheels, tires and various elastomeric wear parts.

ATTENTION

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

Use only in WELL VENTILATED areas. Avoid 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 MATEIAL SAFETY DATA SHEET.