



# TC-8750 A/B

## CASTABLE HIGH PERFORMANCE 55 SHORE D POLYURETHANE ELASTOMER

### PRODUCT HIGHLIGHTS:

- Exceptionally tough, abrasion resistant, high impact material
- SAFE - Contains no TDI, MDI, MDA, OR MOCA
- Easy to handle
- Room temperature mixing and curing

### PRODUCT DESCRIPTION:

TC-8750 A/B is a two-component urethane casting compound that is specifically formulated for high abrasion and impact resistance. It is recommended for use in the casting of highly wear-resistant parts and linings. This product is a safe, easy-to-handle, room temperature mixing and curing system that does not contain TDI, MDI, MDA, or MOCA. TC-8750 A/B is relatively insensitive to typical environmental moisture and will make good void-free parts. Because of this product's exceptional toughness and abrasion resistance, castings made with TC-8750 A/B are particularly suitable for mining and mineral process industries.

### TYPICAL PRODUCT USES:

- ◆ Abrasion-resistant parts and lining
- ◆ Foundry patterns and core box liners
- ◆ Roller facings and casters
- ◆ Potting and encapsulation
- ◆ Cutting table tops
- ◆ Metal forming die facings
- ◆ Troughs, chutes and other equipment contacting any abrasive materials
- ◆ Machinery base pads and gears

### PHYSICAL PROPERTIES:

|   |                   |
|---|-------------------|
| Hardness, Shore D ASTM D-2240 .....             | 55 ± 2            |
| Specific Gravity, (g/cc) cured ASTM D-792 ..... | 1.13              |
| Cubic Inches Per Pound .....                    | 23.5              |
| Color/Appearance .....                          | Amber/Transparent |
| Tensile Strength, (psi) ASTM D-412 .....        | 3,000             |
| Elongation, (%) ASTM D-412 .....                | 450               |
| Flexural Strength, (psi) ASTM D-790 .....       | 970               |
| Flexural Modulus, (psi) ASTM D-790 .....        | 25,160            |
| Tear Strength, (pli) ASTM D-624 .....           | 600               |
| Shrinkage, (in./in.) linear ASTM D-2566 .....   | 0.002             |

### HANDLING PROPERTIES:

