



# SHORE D POLYURETHANES

"Dedicated to QUALITY, SERVICE, SAFETY, and INNOVATION"

## TC-8764 A/B CASTABLE HIGH PERFORMANCE 60 SHORE D POLYURETHANE ELASTOMER

### PRODUCT HIGHLIGHTS:

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

### PRODUCT DESCRIPTION:

TC-8764 A/B is a two-component urethane casting compound that is specifically formulated for high abrasion and impact resistance. It is recommended for use for the production 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-8764 A/B is relatively insensitive to typical environmental moisture and will make good void-free parts without the problems that some conventional urethane systems exhibit. Because of this products exceptional toughness and abrasion resistance, castings made with TC-8764 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 .....	60 ± 2
Specific Gravity, (g/cc) cured .....	1.13
Cubic inch per pound.....	25
Color/Appearance.....	light amber
Tensile Strength, (psi) ASTM D-638 .....	4,400
Tensile Modulus, (psi) ASTM D-638 .....	41,000
Elongation, (%) ASTM D-638 .....	310
Flexural Strength, (psi) ASTM D-790, Procedure A .....	1,430
Flexural Modulus, (psi) ASTM D-790, Procedure A.....	38,700
Tear Strength, (pli) ASTM D-624 .....	510
Shrinkage, (in./in.) ASTM D-2566 .....	0.009
Izod Impact, (ft.-lb./in), ASTM D-256 .....	>10