



SHORE D POLYURETHANES

"Dedicated to *QUALITY. SERVICE. SAFETY. and INNOVATION*"

TC-9560 A/B CASTABLE HIGH PERFORMANCE 60 SHORE D POLYURETHANE ELASTOMER

PRODUCT HIGHLIGHTS:

- ✓ Exceptionally tough, abrasion resistant, high impact material.
- ✓ SAFE - Contains no TDI, MDA, or MOCA.
- ✓ Low shrink and low exotherm during cure.
- ✓ Room temperature mixing and curing.
- ✓ Self de-airing for mass castable applications.

PRODUCT DESCRIPTION:

TC-9560 is a two-component urethane casting compound that is specifically formulated for high tensile and tear strength, abrasion, and impact resistance. It is recommended for use for the production casting of tough, wear-resistant parts and linings. This product is a safe, easy-to-handle, room temperature mixing and curing system that does not contain TDI, MDA, or MOCA. TC-9560 is relatively insensitive to typical environmental moisture and easily makes good void-free parts without the problems that some conventional urethane systems exhibit. The medium viscosity and simple mix ratio assure uniform and easy mixing. Because of this product's problem free, easy handling, and exceptional toughness and abrasion resistance, TC-9560 A/B is particularly suitable for unsealed wood cored, or large castings, such as foundry patterns, tools, and linings.

PRODUCT USES:

- ✓ Foundry patterns, tools and core box linings
- ✓ Electrical potting and encapsulation
- ✓ Tough, wear resistant molded parts and industrial castings

CURED PROPERTIES:

Hardness, Shore D (Ambient cure / Postcure 16 hrs @ 175° F).....	60 / 65
Specific Gravity (gm/cc)/Density.....	1.12
Cu. in. per pound.....	24.75
Color / appearance.....	Amber/Translucent
Tensile Strength (psi), ASTM D-412.....	4,700
Tensile Modulus, (psi), ASTM D-638.....	110,000
Elongation (%), ASTM D-412.....	250
Tear Strength (pli), ASTM D-624, Die C.....	540
Izod Impact, (ft. lb. / in.) ASTM D-256.....	4.4
Shrinkage (in./in.), (Ambient cure / Postcure) @ 175° F, 6 mo. age.....	.004 / .007