



SHORE A POLYURETHANES

"Dedicated to QUALITY, SERVICE, SAFETY and INNOVATION"

F-90 A/B HIGH PERFORMANCE 90 SHORE A POLYURETHANE ELASTOMER

PRODUCT HIGHLIGHTS:

- Exceptional abrasion and impact resistant
- Contains no TDI, MDI, MDA, OR MOCA
- Easy to handle
- Easily tinted to any color
- Room temperature mixing and curing
- Short demold times allows for production parts

PRODUCT DESCRIPTION:

F-90 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. F-90 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 product's exceptional toughness and abrasion resistance, castings made with F-90 A/B are particularly suitable for the mineral process and metal forming industries.

TYPICAL PRODUCT USES:

- ◆ Abrasion-resistant parts and linings
- ◆ Bumpers and rub rails
- ◆ Paper feed rollers
- ◆ Potting and encapsulation applications
- ◆ Semi-flexible molds
- ◆ Metal forming die facings
- ◆ Holding fixtures
- ◆ Machinery base pads

PHYSICAL PROPERTIES:

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|---|------------|
| Hardness, Shore A ASTM D-2240 | 90 ± 2 |
| Specific Gravity, (g/cc) cured ASTM D-792 | 1.08 |
| Cubic Inches Per Pound | 25.6 |
| Color/Appearance..... | Tan/Opaque |
| Tensile Strength, (psi) ASTM D-412..... | 3,000 |
| Elongation, (%) ASTM D-412..... | 440 |
| Tear Strength, (pli) ASTM D-624 | 300 |
| Shrinkage, (in./in.) linear ASTM D-2566..... | 0.007 |



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