



## MU90 BoKure™ Urethane

### An Outstanding Machinable Urethane Solution

MU90 is part of Hi-Tech Seals' high quality, high performance family of BoKure™ Urethane. BoKure™ MU90 is a premium grade compound that we offer as our standard machinable urethane. It has a general temperature range of -30°C to 110°C (-22°F to 230°F).

MU90 has excellent physical characteristics including great wear resistance which reduces downtime and leads to fewer product break-ages. Due to its high durometer, MU90 exhibits great extrusion resistance. MU90 is a versatile material that is a great solution for reciprocating and rotary applications across a wide range of markets and industries.

Our MU90 components are machined in-house by our Rapid Seal division. Customers can select from our pre-programmed profiles or collaborate with our team of professionals to design and machine custom seals and components.

#### BoKure™ MU90 Advantages

- Premium urethane, offered as our standard material
- Resistant against mineral oils, hydraulic fluids, gas, cold water, and diluted acids and bases
- FDA Compliant
- Exceptional load-bearing ability
- Excellent cracking and tearing resistance
- Remarkable flexural strength and abrasion resistance
- Excellent hydrolysis resistance

MU90 is great for a wide range of markets such as:

- Oil & gas
- Mining
- Agriculture
- Construction
- Automotive
- Food & Beverage



With its wide range of capabilities MU90 is ideal for O-rings, back-up rings, loaded and unloaded U-cups, urethane ring type joint gaskets (RTJU), wipers, and custom components. New end uses for MU90 are being discovered on a regular basis. To learn more, contact our team at [engineering@hitechseals.com](mailto:engineering@hitechseals.com)

Physical Properties	DIN	MU90*
Hardness, Shore A (Shore D)	ISO 7619-1	94 ±3 (47 ±3)
Tensile Strength, MPa	53504	51.2
Elongation, %	53504	413
Modulus @ 100%, MPa	53504	12.2
Density, g/cm <sup>3</sup>	EN ISO 1183-1	1.190
General Temp Range, °C (°F)	-	-30 to 110 (-22 to +230)

*\*The above information is correct based on our knowledge at the date of its publication. The temperature range listed is a general guideline and final suitability will depend on various application conditions. To ensure this material meets customers' final requirements and safety demands, we recommend customers conduct their own testing.*

