

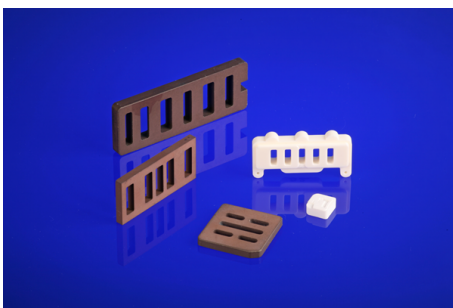
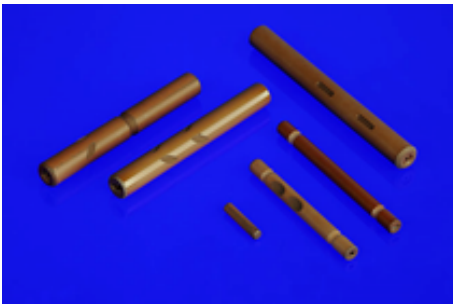
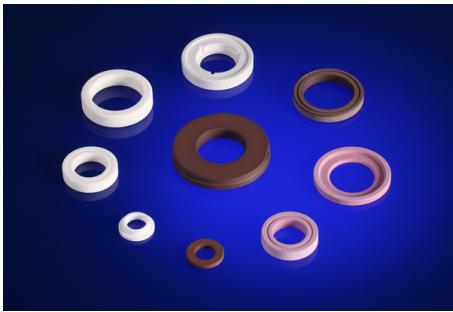
# Hilox™

## High Purity Alumina



Aluminas (aluminium oxide,  $Al_2O_3$ ) are commonly used for their high wear and corrosion resistance with purity formulations to suit the most demanding of applications.

Morgan Seals & Bearings have years of experience in the high volume production of alumina components of the highest quality. Our alumina grades have been used for Face Seals, Sliding Bearings, Shafts and Sliding Valve Components across a wide variety of applications and markets.



## Typical Applications

Industrial Applications including:

- Wear-resistant components for rotary and reciprocating pumps handling chemically aggressive media
- Cartridge Heaters & Thermocouples
- Electrical stress relieving equipment for welding operations
- Valve plates for liquid and gas control systems

Residential Applications including:

- Immersion heaters
- Thermostat assemblies for electric irons, kettles and fires etc

Automotive Applications such as Counterface seals for automotive water pumps

Medical Applications such as Medical grade seals

## Alumina Characteristics

- Alumina purity ranging from 86% -99%
- Hard-wearing
- Corrosion resistance
- Electrical insulator
- Dense, non-porous and vacuum tight
- Thermal shock resistance
- Dimensional Stability

## Main Hilox Grades

Hilox 882

Hilox 991

Hilox 961

Contact us today for our most up-to-date datasheets and a grade recommendation tailored to your application.

## Morgan Advanced Materials

At Morgan Advanced Materials, our purpose is to use advanced materials to help make more efficient use of the world's resources and to improve the quality of life.

Morgan's highly experienced scientists and application engineers actively engage with our customers to find new solutions for complex and technologically demanding problems.

We are building distinctive competencies in:

- Leading technology and materials science capability and process know-how
- Application engineering
- Customer focus, reputation for quality and delivery and brand

Our core strength is our ability to get to grips with individual customer problems, apply the science and engineer elegant and reliable solutions.

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