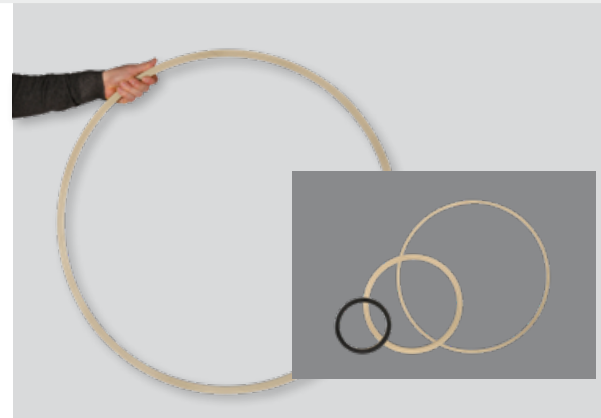


Large diameter segmented welded rings

Ketron® PEEK in Advanced Fluid Management applications



Expand your selection of large rings up to 3 meters in diameter

(Please contact us for additional sizes available.)

When the application requires a large diameter ring for use as an e.g. spring energized seal, back-up ring, guide ring, or bearing, customers search for a large diameter compression molded PTFE or PEEK material. “Segmented welded rings” made from Ketron® PEEK natural or modified Ketron® PEEK + PTFE with their proven mechanical properties are the answer. Completed welded rings, in their near net shape, maintain low stress and excellent dimensional stability required for final machining of custom shapes.

Trends in seal and bearing applications

- Large and flexible sizes of polymer seals
- Excellent machinability for tight tolerances
- Low investment cost

Customer value

- Full engineering from CAD design to finished part
- Ring diameters beyond 3 meters
- Tested and certified materials (ISO 1183, ISO527, ISO178, ASTM1708)
- Exceptional wear properties
- Service temperature of up to 232 °C (450°F)
- Low deformation
- Quick quote process

Key benefits

- Longer lasting components
- High performance materials
- Superior welding technique
- Non destruction parts
- New solution over metal
- Exceptional payback
- Reduce material scrap

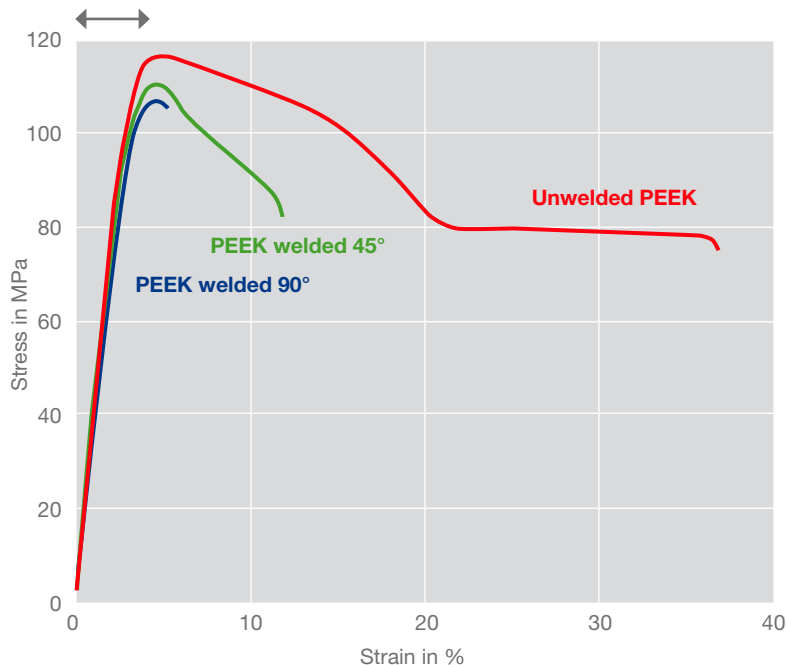
Common applications

- Oil & Gas and Aerospace Industry
- Large high temperature/ high pressure seals (HTHP)
- Back-up rings
- Guide rings
- Wear ring
- Bushings
- Large diameter valve seats
- Crane bearing and swivels
- Offshore mooring systems

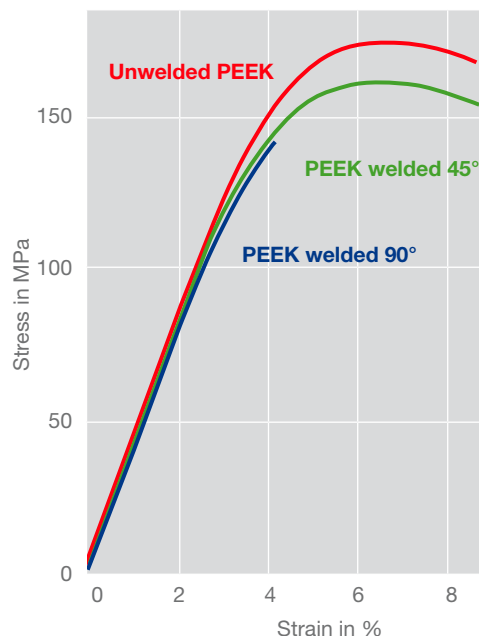
Large diameter segmented welded rings

Ketron® 1000 PEEK tensile curves

Zone of interest for engineering applications



Ketron® 1000 PEEK flexural curves



Europe

Mitsubishi Chemical
Advanced Materials NV
Galgenveldstraat 12
8700 Tielt, Belgium
T +32[0] 51 42 35 11
F +32[0] 51 42 33 10
contact@mcam.com

North America

Mitsubishi Chemical
Advanced Materials Inc.
2120 Fairmont Avenue
PO Box 14235 - Reading, PA 19612-4235
T 800 366 0300 | +1 610 320 6600
F 800 366 0301 | +1 610 320 6638
contact@mcam.com

Asia-Pacific

Mitsubishi Chemical
Advanced Materials Asia Pacific Ltd.
Unit 7B, 35/F, Cable TV Tower,
9 Hoi Shing Road, Tsuen Wan, Hong Kong
T +852 2470 26 83
F +852 2478 99 66
contact@mcam.com

All statements, technical information, recommendations, and advice are for informational purposes only and are not intended and should not be construed as a warranty of any type or term of sale. The reader, however, is cautioned that Mitsubishi Chemical Advanced Materials does not guarantee the accuracy or completeness of this information and it is the customer's responsibility to test and assess the suitability of the products of Mitsubishi Chemical Advanced Materials in any given application or for use in a finished device.

Ketron® is a registered trademark of Mitsubishi Chemical Advanced Materials.

mcam.com

Follow us



@MCAMconnect

