

FlexiMold™



Your Partner for Sealing Technology

FlexiMold™

Trelleborg Sealing Solutions has developed a new proprietary manufacturing technology, FlexiMold™, that allows the manufacture of large, high quality O-Rings without the leadtime and cost associated with dedicated tooling. Compared to conventional techniques such as the splicing of extruded cord, the FlexiMold™ process ensures full visual and dimensional integrity. It also gives the circular form stability of a molded O-Ring, along with its intended thermal and chemical resistance capability. Large O-Rings are used across all process industries including Chemical and Hydrocarbon, Pharmaceutical, Food & Beverage, the Electronics industry, in particular the production of flat panel displays applications.

Features:

- Infinite diameter capability
- No tooling charges for standard cross sections
- Full visual and dimensional product integrity
- High quality, tight tolerances
- Full performance integrity of an O-Ring
- Available in any elastomer
- Elimination of risks associated with spliced O-Rings

Applications:

- Flat Panel Display
- Large Cover Seals
- Vessels
- Electrolyzers
- Filters
- Power Generation
- Other large processing equipment

International Standard	Cross Section, inches	Cross Selection, mm
Metric	0.118	3.00
JIS B 2401	0.122	3.10
Metric / JIS	0.138	3.50
AS-568	0.139	3.53
JIS B 2401	0.140	3.55
Metric	0.157	4.00
Metric	0.197	5.00
JIS B 2401	0.209	5.30
AS-568	0.210	5.34
Metric / JIS	0.224	5.70
AS-568	0.275	6.99
JIS B 2401	0.275	7.00
Metric	0.315	8.00
JIS B 2401	0.330	8.40
Metric	0.394	10.00

Materials:

- Isolast® FFKM
- Resifluor™ High Performance Fluoroelastomers
- FKM
- EPDM, HNBR
- Many other elastomers
- FDA, USP Class VI, EDR type compounds available

Product of Availability:

Sizes:

- Recommended for diameters > 500 mm / 20 inches

Cross sections:

- Available for all standard cross sections
- Inquire about larger and special size cross sections
- Other seal profiles may be requested

Service:

- O-Rings supplied to standards ISO 3601-1, AS568, and JIS B 2401
- 'Zero' Defect quality policy
- Parts packaged and labeled individually
- Class 100 Cleanroom washing and packing available
- Express delivery service may be requested

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