

Oilfield Elastomer Selection Guide (For O-Rings & Seals)

TEMP > 250° F?	YES	NO
H2S > 4%?	YES	NO
AMINES AT > 200° F?	YES	NO
ACIDS?	YES	NO
BROMIDES (ZINC/SODIUM)?	YES	NO

ALL NO

SELECT NITRILE
(70 DUROMETER)
PRESSURES < 1000 PSI



TEMP > 300° F?	YES	NO
H2S > 4%?	YES	NO
AMINES AT > 200° F?	YES	NO
ACIDS?	YES	NO
BROMIDES (ZINC/SODIUM)?	YES	NO

ALL NO

SELECT PEROXIDE CURED NITRILE
(90 DUROMETER)
PRESSURES < 10,000 PSI
**HNBR can be used to get up to 325° F IN CERTAIN SEAL GEOMETRIES



TEMP > 350° F?	YES	NO
H2S > 8% AT < 300° F?	YES	NO
AMINES AT > 200° F?	YES	NO
BRINES PH > 10?	YES	NO
METHANOL?	YES	NO
STEAM/WATER AT > 250° F?	YES	NO

ALL NO

SELECT VITON
PRESSURES < 1000 PSI
(75 DUROMETER)
PRESSURES < 10,000 PSI
(90 DUROMETER)



TEMP > 400° F?	YES	NO
H2S > 20% AT < 300° F?	YES	NO
H2S > 7% AT > 300° F?	YES	NO
HIGH AROMATICS?	YES	NO
ACIDS AT > 200° F?	YES	NO

ALL NO

PRESSURES < 15,000 PSI
(95 DUROMETER)

SELECT AFLAS



TEMP > 425° F?	YES	NO
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ALL NO

SELECT FFKM

*** Pressure ratings are based on .002 maximum extrusion gap/per diametrical inch

*** It is recommended to use anti extrusion devices where high temperature, high pressure, and large extrusion gaps exist

*** Where it is possible, the largest cross section o-ring should be used

*** The above information is presented to be used as an aid in the proper selection of o-ring materials and does not warrant or guarantee performance



VALUE ADDED SERVICES

Bar Coding/Scanning Technologies
Custom Kits/Packaging
Dock To Stock Programs
EDI/EFT

Engineering Support
Integrated Supply Programs
Online Order Management
Product Training
SmartDocs

Summary Billing
Supply Chain Management
Systems Agreements
Value Management Surveys
Vendor Managed Inventory

PRODUCTS

O RINGS & B/U'S

Contoured B/U's
Elastomeric
Encapsulated
Metallic
Metric Sizes
O-Ring Cord
O-Ring Kits
PEEK B/U's
PTFE
PTFE B/U's

RETAINING RINGS

Custom Rings
Internal/External Snap Rings
Laser Cut Rings
Metric Rings
Spiral Rings
Stamped Rings

OIL FIELD SEALS

Bonded Seals
BOP Blocks
Chemical Injection Packings
Choke Packings
Connectors
FS Seals
HPHT Sets
Packer Elements
PBR Stacks
ST Seals/S Seals

SEALS

Braided Packing
Custom Molded Shapes
Die Formed Rings
Gaskets
Lip Seals
Oring Loaded U-Cups
Oil Seals
Pump Packing
Quad Rings
Rod Scrapers
Rod Wipers
Spring Energized PTFE
T Seals
U Cups
Vee Packings

VALVE COMPONENTS

Face/Bonnet Seals
HP/HT Stem Seals/Sets
Metal Replacement Parts
Non-Metallic Wear Components
Standard Stem Seals/Sets
Valve Seats - All Types

PRECISION BALLS

Ceramic
Frac
Metallic
Plastic
Rubber
Rubber Coated

BEARINGS/WEAR COMPONENTS

Composite Bearings
Metallic Bearings
Non-Metallic Thermoplastic
Piston/Rod Bearings
Piston Rings
Wear Rings

MISCELLANEOUS PRODUCTS

Adhesives
Back Up Rings
Large Diameter (110")
Lubricants
Machined/Injected Plastics
Ring Joint Gaskets
Sealants
Teflon Tape
Wave Springs

GAS LIFT PRODUCTS

Beryllium Copper Ret Rings
Copper Washers
Check Seats/Pads
Monel/TC Seats
PTFE Center Adapter
Soft Component Kits
Stem/Seat Kits
TC Balls
Valve Cores
Vee Packings