# MFP SEALS®

A DIVISION OF MARTIN FLUID POWER

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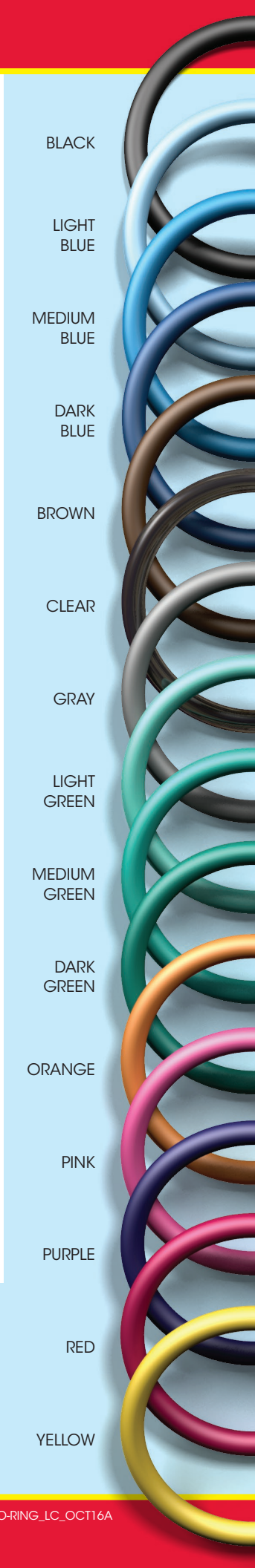
# O-RINGS

MFP Seals manufactures both inch and metric sized o-rings. Produced to the AS568D (Aerospace Standard), as well as European and Japanese metric standards (BS2518, GB/T 3452.1, J.I.S. B2401, SMS1586). MFP Seals stocks o-rings in a wide variety of colors, compounds, and durometers, to meet Automotive, Aerospace*, FDA†, Industrial, Military††, Oil Field, NORSOK**, NSF51, NSF61, USP‡ and UL specifications. All compounds shown are RoHS compliant.

## MFP SEALS COMPOUNDS FORMULATED FOR O-RINGS

| Compound | Spec. | Abbreviation | Hardness | Color | Temperature Range | |
|---|---|---|---|---|---|---|
| E7101 | | EPDM | 70 Shore A | Black | -50°C to +100°C | (-58°F to +212°F) |
| E7102 | | EPDM | 80 Shore A | Black | -50°C to +100°C | (-58°F to +212°F) |
| E7103 (NSF61) | | EPDM | 70 Shore A | Black | -50°C to +100°C | (-58°F to +212°F) |
| E7105 (WRAS/NSF61) | | EPDM | 70 Shore A | Black | -50°C to +150°C | (-58°F to +302°F) |
| FC7500 - Fluorochem® | | FKME | 75 Shore A | Black | -22°C to +250°C | (-7°F to +482°F) |
| FC7510 - Fluorochem® | | FKM | 75 Shore A | Black | -20°C to +200°C | (-4°F to +392°F) |
| FC7525 - Fluorochem® | ‡ | FFKM | 75 Shore A | Black | -15°C to +320°C | (+5°F to +608°F) |
| FC7550 - Fluorochem® | | FFKM | 75 Shore A | White | -15°C to +320°C | (+5°F to +608°F) |
| FC7575 - Fluorochem® | | FFKM | 90 Shore A | Black | -15°C to +320°C | (+5°F to +608°F) |
| FC7600 - Fluorochem® | ** | FFKM | 90 Shore A | Black | 0°C to +260°C | (+32°F to +500°F) |
| FC7625 - Fluorochem® | ** | FFKM | 90 Shore A | Black | -4°C to +230°C | (+25°F to +446°F) |
| FC7650 - Fluorochem® | | FFKM | 70 Shore A | Black | -20°C to +230°C | (-4°F to +446°F) |
| FC7675 - Fluorochem® | † | FFKM | 75 Shore A | Black | -4°C to +230°C | (+25°F to +446°F) |
| FC7700 - Fluorochem® | | FFKM | 75 Shore A | Black | -7°C to +230°C | (+20°F to +446°F) |
| FC7725 - Fluorochem® | ‡ | FFKM | 75 Shore A | White | -7°C to +230°C | (+20°F to +446°F) |
| FC7750 - Fluorochem® | | FFKM | 75 Shore A | Black | -6°C to +300°C | (+21°F to +570°F) |
| FC7775 - Fluorochem® | | FFKM | 75 Shore A | Black | -7°C to +230°C | (+20°F to +446°F) |
| FC7800 - Fluorochem® | | FFKM | 75 Shore A | Black | -5°C to +320°C | (+23°F to +608°F) |
| FS7101 | * | FVMQ | 70 Shore A | Blue | -60°C to +200°C | (-76°F to +392°F) |
| N6001 | | NBR | 70 Shore A | Black | -40°C to +100°C | (-40°F to +212°F) |
| N6003 | | NBR | 90 Shore A | Black | -20°C to +100°C | (-4°F to +212°F) |
| N6007 | | HNBR | 70 Shore A | Black | -40°C to +125°C | (-40°F to +257°F) |
| N6008 | | HNBR | 80 Shore A | Black | -35°C to +150°C | (-31°F to +302°F) |
| N6009 | | HNBR | 90 Shore A | Black | -30°C to +150°C | (-22°F to +302°F) |
| N6010 | | HNBR | 70 Shore A | Green | -40°C to +150°C | (-40°F to +302°F) |
| N6011 | | HNBR | 80 Shore A | Green | -25°C to +150°C | (-13°F to +302°F) |
| N6012 | | HNBR | 90 Shore A | Green | -20°C to +150°C | (-4°F to +302°F) |
| S7100* | †† | SIL | 70 Shore A | Rust Red | -55°C to +240°C | (-67°F to +464°F) |
| U6865 | | TPU | 70 Shore A | Natural | -81°C to +100°C | (-115°F to +212°F) |
| U9251 | | TPU | 90 Shore A | Natural | -54°C to +150°C | (-65°F to +300°F) |
| V1125 - Aflas® | | FKM | 80 Shore A | Black | -0°C to +230°C | (+32°F to +446°F) |
| V7100 | | FKM | 75 Shore A | Black | -20°C to +200°C | (-4°F to +392°F) |
| V7125 | | FKM | 75 Shore A | Black | -15°C to +200°C | (+5°F to +392°F) |
| V7150 | | FKM | 75 Shore A | Black | -15°C to +200°C | (+5°F to +392°F) |
| V7155 | | FKM | 75 Shore A | Brown | -15°C to +200°C | (+5°F to +392°F) |
| V7165 | | FKM | 90 Shore A | Black | -20°C to +200°C | (-4°F to +392°F) |
| V7175 | | FKM | 90 Shore A | Black | -10°C to +200°C | (+14°F to +392°F) |
| V7200 | ** | FKM | 90 Shore A | Black | -30°C to +250°C | (-22°F to +482°F) |
| V7250 | | FKM | 75 Shore A | Green | -15°C to +200°C | (+5°F to +392°F) |
| V7325 (AMS-R-83485) | †† | FKM-GLT | 75 Shore A | Black | -40°C to +200°C | (-40°F to +392°F) |
| V7350 | | FEPM | 90 Shore A | Black | -20°C to +220°C | (-4°F to +428°F) |

This information is only to be used as a guide to the selection of seal compounds. Application, as well as temperature, pressures, media, and finishes, should all be considered when choosing seal compounds. Other compounds may be available based on application. This is not a complete list of available compounds. For more information contact MFP Seals at sales@mfpseals.com or (248) 585-8170. Fluorochem® and Ultraflex™ are registered trademarks of Martin Fluid Power Co., Inc.© 2016. †FDA Grade w/o Certification. AFLAS® is a registered trademark of the Asahi Glass Co., Ltd.




# PTFE COLOR COATING

- PTFE color coatings make identification easy, when used to distinguish sizes or materials.
- The PTFE coating extends wear life, resulting in reduced material decay and less downtime.
- Coated O-Rings are less susceptible to contamination and are easier to handle by not having to deal with messy oil-based lubricants.
- Added lubrication makes installation easier, reduces assembly time, and keeps machinery running smoother, longer. Less down-time equals more profit.