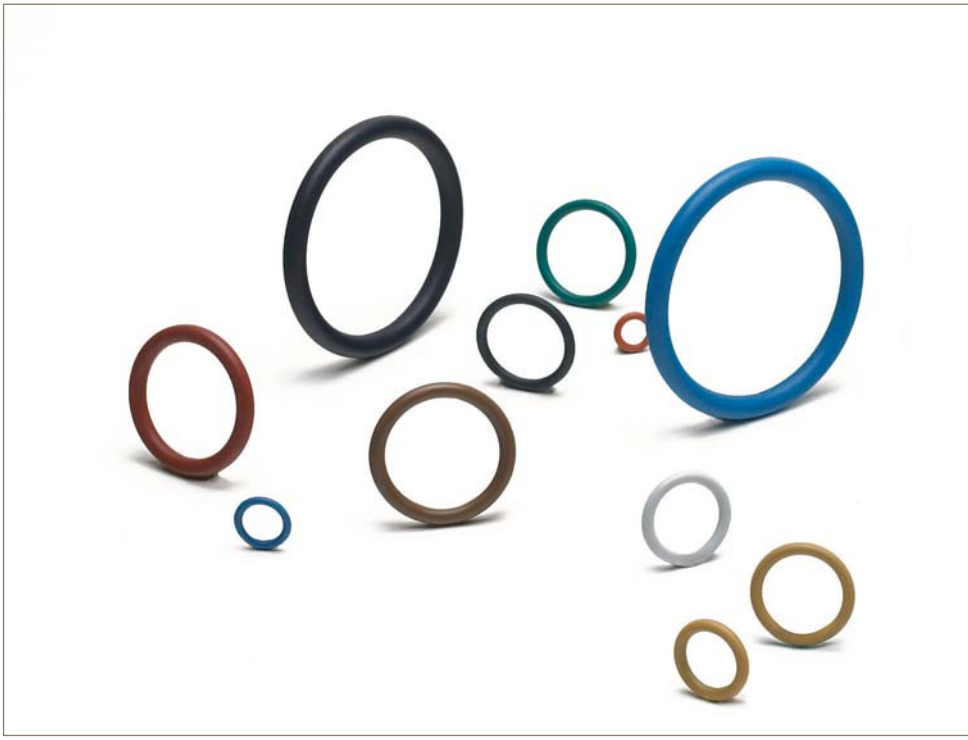
O-Ring Coatings

Advanced coating methods for all of your application needs

Surface treatments:

Parker offers a variety of O-ring surface treatments for various application needs. These external treatments can be in the form of dry or wet coatings or dips. Surface treatments are used for numerous reasons, the most common are friction reduction, ease of installation and contrasting color (for easier identification).

Application specifics and O-ring polymer type dictate which of the coatings/treatments are best suited for you. For help determining which treatment to use in your application, contact the Parker O-Ring Division and speak with an applications engineer.



Contact Information:

Parker Hannifin Corporation
O-Ring Division
2360 Palumbo Drive
Lexington, KY 40509

phone 859 269 2351
fax 859 335 5128

www.parker.com

Advantages:

- Reduces installation force
- Color identification
- Wear life can be increased
- Can reduce and/or prevent damage from automated equipment

ENGINEERING YOUR SUCCESS.

O-Ring Coating Descriptions

Coating	Definition
PTFE	Thin, dry thermoplastic coating.
ParkerSlick	Non-PTFE dry thermoplastic coating.
Silicone Dip	Clear, shiny, dry coating.
McLube	Clear, shiny, dry coating providing extra low friction.
Mineral Oil	Clear, shiny, wet coating. (limited compound availability).
Molykote	Silvery, semi-dry coating providing low friction (messy).
Silicone Oil	Clear, shiny, wet coating. (limited applications).

O-Ring Coating Matrix[1]

Coating	Dry or Wet	Adhesion	Colorable	Automated Feeding Performance	Installation Force Reduction	Longevity of Use
PTFE	Dry	Good	Yes	Very Good	Very Good	Fair
ParkerSlick	Dry	Very Good	Yes	Very Good	Very Good	Good
Silicone Dip	Dry	N/A	No	Good	Fair	Poor
McLube	Dry	N/A	No	Very Good	Very Good	Poor
Mineral Oil	Wet	N/A	No	Poor	Good	Poor
Molykote	Dry	N/A	No	Fair[2]	Good	Poor
Silicone Oil	Wet	N/A	No	Poor	Good	Poor

1. To ensure polymer and coating compatibility as well as performance in specific applications, please contact an applications engineer for more information.
2. Not recommended for vibrating tracks.

Parker

ENGINEERING YOUR SUCCESS.