



**REDUCING FRICTION** Quniton® serves as a highly lubricious material compound with performance capabilities uniquely designed to improve and withstand application needs. Formulated to have a low coefficient of friction, it resists bonding or sticking to a wide range of materials diversifying interface capability. **ENHANCING PRODUCT LIFESPAN** Quniton® possesses non-reactive properties that ensure consistent surface to surface contact over time retaining chemical and thermal stability.

## Features & Benefits

- Reduced wear and abrasion—longer life
- No extractables or leachables-biocompatibility USP Class VI
- Maintains original form and sealing force
- Consistent surface to surface properties over time-reduced stiction
- Applicable in ozonated streams used for sanitization
- Applicable in devices and equipment using high dosage UV light
- High temperature applications to 500°F (262°C)
- Suitable for applications with severe chemical exposure
- ISO 10993-5 and NSF 61 (pending)

## Material Data

Property / Formulation (FKM)	514AD	514GJ	514ZD	515AB
Tensile, psi	1520	1890	1882	1334
Elongation, %	193	279	111	152
Modulus @100%, psi	644	530	1662	859
Hardness, Shore A	73	73	86	74
Specific Gravity	1.85	1.9	1.85	1.85
Compression Set, 22h @ 200°C, %	11.9	11.5	9.8	4.9

### Applications

**MEDICAL & PHARMA**

- Plunger seals
- Syringe plugs
- Vial seals

**WATER**

- Faucet cartridges
- Water heater valves
- UV & ozone systems
- Flow meter valves
- Metal to rubber interface

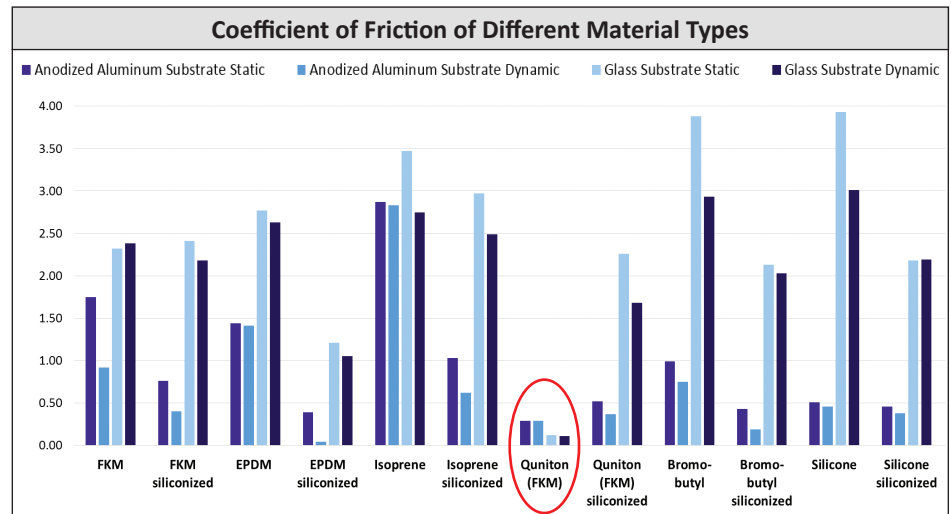
**TRANSPORTATION**

- O-rings & Quad-rings
- Dynamic seals

**POWER**

- Servo motor seals
- Rotary shaft seals
- Wiper seals
- Actuator seals

## Comparative Data



Resistance Comparison of Various Polymers								
Resistance to/Polymer	Quniton®	Natural Rubber	SBR	Butyl	EPDM	NBR	Silicone	Neoprene
Water Absorption	G	VG	G	VG	VG	G	G	G
Oxidation	E	G	G	E	E	G	E	E
Ozone	E	F	F	E	E	F	E	E
UV Aging	E	P	P	VG	E	P	E	VG
Heat Aging	E	G	VG	E	E	E	O	E
Heat	G	G	E	E	E	E	E	E
Cold	G	E	E	G	E	G	E	G

O-Outstanding   E-Excellent   VG-Very Good   G-Good   F-Fair   P-Poor

To order Quniton® product please call our Customer Service Representative at 1-800-927-1422