

Construction

Molded rubber O-ring.

Application

Rod seal of cylinder, piston seal, and ram.

Service Range

| | |
|------------------|-------------------|
| Max. Temperature | Depends on rubber |
| Max. Pressure | 100MPa |
| Max. Velocity | 0.1meter / sec. |
| pH | Depends on rubber |



TOMBO™ No.2670

Fluid

Water type fluid (water, waste water, sewage, brine etc.),
Various oil type fluids, Air.

Type of rubber and physical properties

| Material | | Physical Properties | | | Temperature Range (°C) |
|-------------|---------------------------|---------------------|----------------------|----------------|------------------------|
| Code | Rubber Material | Hardness (HS) | Tensile Strength MPa | Elougation (%) | |
| NBR | Nitrile Butadiene Rubber | 73 | 16 | 270 | -30 ~ +120 |
| CR | Chloroprene Rubber | 70 | 11 | 270 | -30 ~ +120 |
| EP | Ethylene Propylene Rubber | 71 | 15 | 250 | -40 ~ +150 |
| SI | Silicone Rubber | 72 | 7 | 200 | -50 ~ +200 |
| PF K | Perfluoro Elastomer | 75 | 12 | 120 | 0 ~ +200 |
| FA | Fluoro Elastomer | 70 | 14 | 240 | -15 ~ +200 |

K : Shipping the products marked with [K] may be regulated under the Foreign Exchange and Foreign Trade Control Law. If the product is regulated by the law, permission for export in accordance with the concerned law is required. [Applies only to aerospace standard (AS) dimensional products.]

* Above figures are test result. Not specification.

- ⚠ When O-ring is used more than 7MPa (70 kgf/cm²) for moving, TOMBO™ No.9026 PTFE Back-up ring shall be used together.
- ⚠ When O-ring is used for rotating equipment, enough lubrication is required.