

DURLON

## Durlon® 8500



### Description

Durlon® 8500 contains aramid and inorganic fibers bonded with high-grade nitrile (NBR) rubber. Durlon® 8500 exhibits good compressibility and recovery, excellent sealability, flexibility and cutting characteristics.

### Applications

- Oils
- Water
- Steam
- Refrigerants
- Dilute acids and alkalis
- Industries: Pulp and paper, Food and beverage, Pharmaceutical, Hydrocarbon, Chemical

### Specifications

#### Technical Data

Color	Green
Fiber	Aramid-inorganic
Binder	NBR
Temperature	Minimum: -73°C (-100°F), Continuous: 287°C (548°F), Short term: 371°C (700°F)

Pressure	103bar (1500psi)
Density	17g/cc (106lbs/ft3)
Compressibility	8 - 16%
Recovery %	50%
Creep Relaxation	20%
Tensile strenght	13.8MPa (2000psi)
Nitrogen sealibility (ASTM 2378)	0.03cc/min
Volume Resistivity (ASTM D257)	4.2 x 10 <sup>13</sup> ohm-cm
Dielectric breakdown (ASTM D149)	11.7kV/mm
Gasket factors m	1/16": 2.7, 1/8": 4.2
Gasket factors y	1/16": 2359psi, 1/8": 2931psi
Gasket factors Gb	1/16": 650psi, 1/8": 400psi
Gasket factors a	1/16": 0.33, 1/8" 0.35
Gasket factors Gs	1/16": 200psi, 1/8": 20psi

N.B. The information presented may differ from practice. We recommend conducting tests according to the conditions of use. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products. The data is subject to certain variations without notice.