

## 7910

Aramid with NBR Rubber Binder  
Compressed Non-Asbestos Gasket Material  
ASTM F104: F712120-A9B3E22K5L151M5



### Physical Properties

|  |  |
|--|--|
| Color  | White  |
| Fiber System   | Aramid/Inorganic                                 |
| Binder   | NBR  |
| Temperature: Min<br>Max<br>Continuous, Max   | -73°C (-100°F)<br>371°C (700°F)<br>260°C (500°F) |
| Pressure, max, bar (psi)   | 83 (1,200)                                       |
| Density, g/cc (lbs/ft³)  | 1.7 (106)  |
| Compressibility, %   | 9-19   |
| Recovery, %  | 40   |
| Creep Relaxation, %  | 25   |
| Tensile Strength, MPa (psi)  | 11 (1,600)                                       |
| Sealability<br>ASTM 2378 (Nitrogen), cc/min  | 0.05   |
| Fluid Resistance, ASTM F146<br>IRM 903 Oil 5hrs at 300°F<br>Thickness Increase, %<br>Weight Increase, %<br>ASTM Fuel B 5hrs at 70°F<br>Thickness Increase, %<br>Weight Increase, % | 0-15<br>15<br>0-10<br>12                         |
| Flexibility, ASTM F147   | 10x  |
| Dielectric Breakdown, ASTM D149<br>kV/mm (V/mil)   | 11.0 (279)                                       |

As a quality, commercial grade compressed sheet gasket material, Durlon® 7910 was specifically developed to meet the requirement of NSF/ANSI 61 (Certification for water treatment products that are manufactured, distributed or sold in North America) for potable water application 23°C (73°F) to commercial hot 82°C (180°F).

### INDUSTRY APPLICATIONS:

- General Industry
- OEM Services
- Water & Wastewater

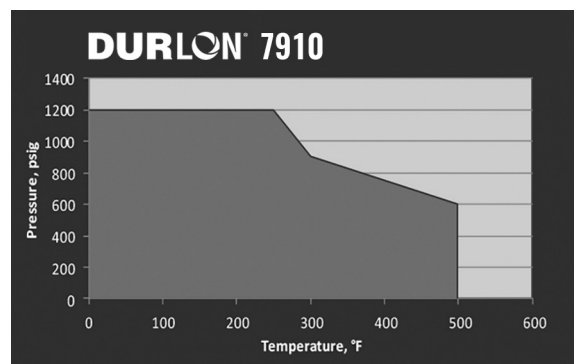
### BENEFIT:

Durlon® 7910 has a strong dielectric rating, making it ideal for isolation kit applications where compressed fibre sheet gaskets can be utilized.

| Gasket Factors           | 1/16"        | 1/8"         |
|--------------------------|--------------|--------------|
| m                        | 1.5          | 1.5          |
| Y psi (MPa)              | 2,416 (16.7) | 3,576 (24.7) |
| G <sub>b</sub> psi (MPa) | 502 (3.5)    | 736 (5.1)    |
| a                        | 0.289        | 0.237        |
| G <sub>s</sub> psi (MPa) | 0.001 (0)    | 9.1 (0.131)  |

### Certifications

|                        |   |
|------------------------|---|
| NSF/ANSI 61            | Certified to meet the requirement of NSF/ANSI 61 for potable water application at 23°C (73°F) to commercial hot to 82°C (180°F) |
| RoHS Reach Declaration | Compliant   |



**Note:** ASTM properties are based on 1/16" sheet thickness, except ASTM F38 which is based on 1/32" sheet thickness. This is a general guide only and should not be the sole means of accepting or rejecting this material. The data listed here falls within the normal range of product properties, but should not be used to establish specifications limits nor used alone as the basis of design. For applications above Class 300, contact our technical department.

**Warning:** Durlon® gasket materials should never be recommended when both temperature and pressure are at the maximum listed. Properties and applications stated are typical. No applications should be undertaken by anyone without independent study and evaluation for suitability. Never use more than one gasket in one flange joint and never reuse a gasket. Improper use or gasket selection could cause property damage and/or serious injury. Data reported is a compilation of field testing, field service reports and/or in-house testing. While the utmost care has gone into publishing the information contained herein, we assume no responsibility for errors. Specifications and information contained within are subject to change without notice. This edition cancels and obsoletes all previous editions.