



industries3r.com

**Danville office**

Industries 3R inc.  
55, Road 116 West  
Danville (Quebec)  
Canada J0A 1A0

Telephone: (819) 839-2793  
Fax: (819) 839-2797  
Toll-free: (800) 567-2728  
Email: info@industries3r.com

**Montreal office**

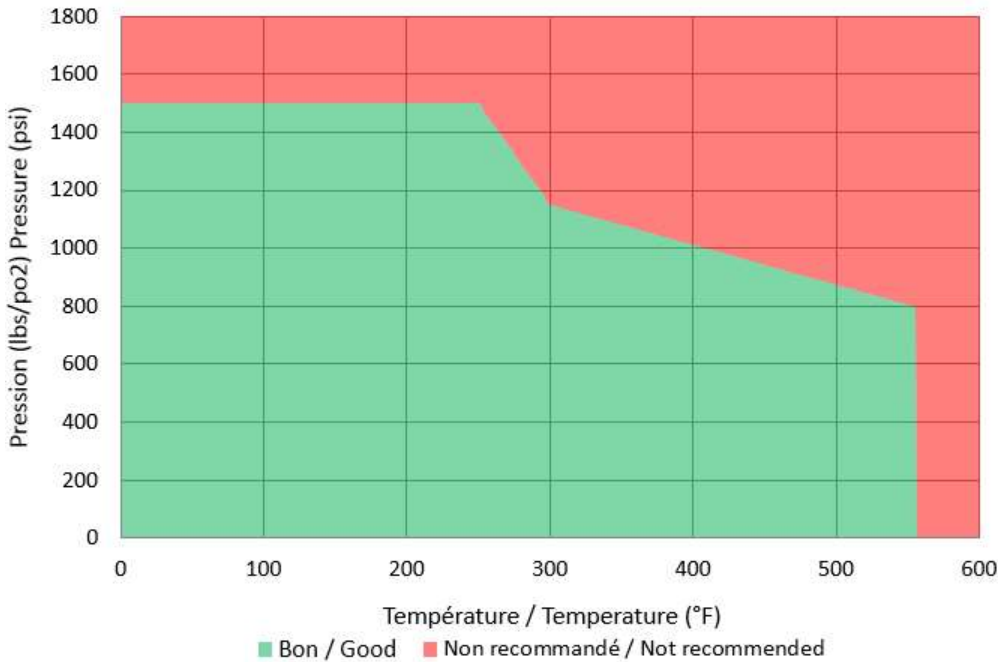
Industries 3R inc.  
1479, Begin street  
Ville St-Laurent (Quebec)  
Canada H4R 1V8

Telephone: (514) 333-3971  
Fax: (514) 333-7224  
Email: info@industries3r.com

# DURLON® 8400

## DURLON®

Durlon® 8400 contains high temperature phenolic fibers and minerals combined with high-grade nitrile (NBR) rubber. It exhibits higher temperature limits than aramid based materials and the handling and cutting characteristics are greatly improved than carbon and glass fiber products.



## APPLICATIONS

- Steam
- Mild caustics and acids
- Pulp and paper
- Chemical plant
- Water and wastewater
- Mining

## SPECIFICATIONS

## Technical Data

<b>Color</b>	<b>Gold</b>
<b>Temperature</b>	<b>Minimum: -100°F (-73°C), Continuous: 554°F (290°C), Short term: 800°F (427°C)</b>
<b>Pressure</b>	<b>1500psi</b>
<b>Density</b>	<b>1.7g/cc (106lbs/ft³)</b>
<b>Compressibility</b>	<b>8-16%</b>
<b>Recovery</b>	<b>50%</b>
<b>Creep Relaxation</b>	<b>25%</b>
<b>Tensile strenght</b>	<b>12.4MPa (1800psi)</b>
<b>pH</b>	<b>2-13 at room temp.</b>
<b>Volume Resistivity, ASTM D257</b>	<b>3.1 x 10<sup>13</sup>ohm-cm</b>
<b>Dielectric breakdown, ASTM D149</b>	<b>14.6kV/mm</b>
<b>Gasket factor m</b>	<b>1/16": 2.9, 1/8": 4.5</b>
<b>Gasket factor y</b>	<b>1/16": 2140psi, 1/8": 3967psi</b>
<b>Gasket factor Gb</b>	<b>1/16": 380psi, 1/8": 391psi</b>
<b>Gasket factor a</b>	<b>1/16": 0.311, 1/8": 0.321</b>
<b>Gasket factor Gs</b>	<b>1/16": 0.01psi, 1/8": 0.014psi</b>
<b>Flexibility, ASTM F147</b>	<b>8x</b>

---

**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.