

## Style 9518

### MATERIAL PROPERTIES\*:

|  |                                |
|--|--------------------------------|
| <b>Color:</b>  | Black                          |
| <b>Composition:</b>                                    | Fluoroelastomer (FKM – Type A) |
| <b>Durometer, Shore A, (+/- 5):</b>                    | 75                             |
| <b>Temperature<sup>1</sup>, °F (°C)</b>                |                                |
| Minimum:   | -15 (-26)                      |
| Maximum:   | +400 (+204)                    |
| <b>Pressure<sup>1</sup>, (psig (bar)):</b>             |                                |
| <b>Preferred operating:</b>                            | 150 (10)                       |
| <b>Maximum:</b>  | 250 (17)                       |
| <b>P x T (max.)<sup>1</sup>, psig x °F (bar x °C):</b> | 30,000 (900)                   |
| <b>Finish Available</b>                                |                                |
| Through 1/8"   | Satin                          |
| Over 1/8"  | Smooth                         |

### TYPICAL PHYSICAL PROPERTIES\*:

|                                 |  |             |
|---------------------------------|--|-------------|
| <b>ASTM D412</b>                | <b>Tensile Strength, psi (N/mm<sup>2</sup>):</b>                             | 1000 (7)    |
| <b>ASTM D412</b>                | <b>Elongation, %:</b>  | 175         |
| <b>ASTM D395 B</b>              | <b>Compression Set, 25% Deflection, Max. %</b><br>22 hours at 347°F (175°C): | 50          |
| <b>ASTM D149</b>                | <b>Dielectric Properties, range, volts/mil.</b>                              |             |
|                                 | Sample conditioning  | <u>1/8"</u> |
|                                 | None   | 66          |
| <b>ASTM F586</b>                | <b>Design Factors</b>  |             |
|                                 | “m” factor:  | 1.0         |
|                                 | “y” factor, psi (N/mm <sup>2</sup> ):  | 200 (1.4)   |
| <b>ASTM D2000<sup>(3)</sup></b> | <b>Line Call Out:</b>  | 2HK710B3721 |

#### Notes:

\* This is a general guide and should not be the sole means of selecting or rejecting this material. Values do not constitute specification limits.

<sup>1</sup> When approaching maximum pressure and/or temperature, minimum temperature or 50% of maximum PxT, consult Garlock Applications Engineering. Minimum temperature rating is conservative.

<sup>3</sup> ASTM D2000 line call out is based on testing performed on slabs made to ASTM D412.

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