

DATA SHEET (effective 02/22/08)

Polymer Base: Neoprene (CR Based)

F-02011 (Black)

| Physical Properties                          | Unit               | Test Method        | Typical Results          |
|--|--------------------|--------------------|--------------------------|
| Density                                      | g/cm <sup>3</sup>  | ASTM D 1056        | 0.144 ± 0.032            |
|  | lb/ft <sup>3</sup> | ASTM D 1056        | 9 ± 2                    |
| Hardness, Durometer Shore 00                 |                    | ASTM D 2240        | 45 ± 5                   |
| Compression Deflection (25%)                 | kPa                | ASTM D 1056        | 24 ± 10                  |
|  | psi                | ASTM D 1056        | 3.5 ± 1.5                |
| Compression Set                              | %                  | ASTM D 1056        | ≤ 25%                    |
| Tensile Strength                             | kPa                | ASTM D 412 (Die A) | 520                      |
|  | psi                | ASTM D 412 (Die A) | 75                       |
| Tear Strength                                | kN/m               | ASTM D 624 (Die C) | 3.3                      |
|  | lb/in              | ASTM D 624 (Die C) | 12                       |
| Elongation                                   | %                  | ASTM D 412 (Die A) | 150%                     |
| Resilience                                   | %                  | ASTM D 2632        | 30%                      |
| Service Temperature                          |                    |                    |                          |
| Low  | °F                 | ASTM D 746         | -40                      |
| High Continuous                              | °F                 | ASTM D 746         | 150                      |
| High Intermittent                            | °F                 | ASTM D 746         | 200                      |
| Water Absorption                             |                    |                    |                          |
| Maximum Weight Change                        | %                  | ASTM D 1056        | < 5%                     |
| Fluid Immersion (7 days at 23 °C [73.4 °F])  |                    |                    |                          |
| ASTM Ref. Fuel B, Weight Change (%)          | %                  | ASTM D 1056        | Not Applicable           |
| Accelerated Aging (7 days at 70 °C [158 °F]) |                    |                    |                          |
| Flexibility (180 ° bend without cracking)    |                    | ASTM D 1056        | Pass                     |
| Appearance change                            |                    | ASTM D 1056        | None                     |
| Change in Compression Deflection             | %                  | ASTM D 1056        | ± 30%                    |
| Combustion Characteristics                   |                    | FMVSS-302          | Pass                     |
|  |                    | UL 94HF-1          | Pass                     |
|  |                    |                    | UL listed (black & grey) |

ASTM D 1056 designation: **2A1**  
 SAE J 18 APR2002 designation: **2A1**  
 ASTM D 6576: **II-A/B Soft**

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