

DATA SHEET (effective 02/25/08)

Polymer Base: ECH

F-04051 (Black)

| Physical Properties                          | Unit               | Test Method        | Typical Results |
|--|--------------------|--------------------|-----------------|
| Density                                      | g/cm <sup>3</sup>  | ASTM D 1056        | 0.24 ± 0.048    |
|  | lb/ft <sup>3</sup> | ASTM D 1056        | 15 ± 3          |
| Hardness, Durometer Shore 00                 |                    | ASTM D 2240        | 55 ± 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) | 830             |
|  | psi                | ASTM D 412 (Die A) | 120             |
| Tear Strength                                | kN/m               | ASTM D 624 (Die C) | 3.2             |
|  | lb/in              | ASTM D 624 (Die C) | 18              |
| Elongation                                   | %                  | ASTM D 412 (Die A) | 250%            |
| Resilience                                   | %                  | ASTM D 2632        | 45%             |
| Service Temperature                          |                    |                    |                 |
| Low  | °F                 | ASTM D 746         | -40             |
| High Continuous                              | °F                 | ASTM D 746         | 300             |
| High Intermittent                            | °F                 | ASTM D 746         | 325             |
| 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        | < 50%           |
| 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            |

ASTM D 1056 designation: **2B1**  
 SAE J 18 APR2002 designation: **2B1**  
 ASTM D 6576: **II-A/B Soft**

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**Seal & Design**  
**Able Division**  
 5533 Steeles Avenue West Unit 11  
 Toronto, Ontario M9L 1S7  
 Ph: (416) 741-0750  
 Gasket@AbleSealAndDesign.com

**Seal & Design**  
**Corporate Headquarters**  
 4015 Casilio Parkway  
 Clarence, NY 14031  
 Ph: (716) 759-2222  
 Info@SealAndDesign.com  
 www.SealAndDesign.com

**Seal & Design**  
**Higbee Division**  
 6741 Thompson Rd N  
 Syracuse, NY 13221  
 Ph: (315) 432-8021  
 Sales@Higbee-Inc.com