



**8123 ULTA**  
**Urethane Low Temp Arctic Geomembrane**  
**Specifications**

|                              | <b>Standard</b>                 | <b>Metric</b>                   |
|------------------------------|---------------------------------|---------------------------------|
| Base Fabric Type             | Polyester                       | Polyester                       |
| Base Fabric Weight (nominal) | 6.5 oz/yd <sup>2</sup>          | 220 g/m <sup>2</sup>            |
| Coating Type                 | Polyurethane Alloy              | Polyurethane Alloy              |
| Finished Coated Weight       | 23 oz/yd <sup>2</sup>           | 780 g/m <sup>2</sup>            |
| ASTM D751                    | +3/-2 oz/yd <sup>2</sup>        | +115/-70 70 g/m <sup>2</sup>    |
| Tongue Tear                  | 8 in x 10 in sample @ 12 in/min | 200 mm x 250 mm sample @ 5 mm/s |
| ASTM D751                    | 125/125 lb <sub>f</sub>         | 556/556 N                       |
| Grab Tensile                 |                                 |                                 |
| ASTM D751                    | 500/500 lb <sub>f</sub>         | 2225/2225 N                     |
| Strip Tensile                |                                 |                                 |
| ASTM D751 Procedure B        | 400/350 lb <sub>f</sub> /in     | 350/307 daN/5 cm                |
| Adhesion                     |                                 |                                 |
| ASTM D751 Dielectric Weld    | 10 lb <sub>f</sub> /in          | 9 daN/5 cm                      |
| ASTM D751 Hot Air Weld       | 10 lb <sub>f</sub> /in          | 9 daN/5 cm                      |
| Hydrostatic Resistance       |                                 |                                 |
| ASTM D751 Procedure A        | 500 psi                         | 3.45 MPa                        |
| Bursting Strength (Ball)     |                                 |                                 |
| ASTM D751                    | 750 lb <sub>f</sub>             | 3330 N                          |
| Low Temperature              | 1/8 in mandrel, 4 hr            | 3 mm mandrel, 4 hr              |
| ASTM D2136                   | Pass @ -65° F                   | Pass @ -54° C                   |
| Abrasion Resistance          |                                 |                                 |
| ASTM D3389 Taber Abrasion    | Face Side: 750 cycles           |                                 |
| H-18 wheel, 1000 g load      |                                 |                                 |
| Oil Resistance               | Pass                            | Pass                            |
| Mil-C-20696B                 |                                 |                                 |
| Hydrocarbon Resistance       | Pass                            | Pass                            |
| Mil-C-20696B                 |                                 |                                 |

Unless stated otherwise, values presented above represent the minimum expected measurements at the time of manufacture. We believe this information is the best currently available on the subject. We offer it as a suggestion in any appropriate experimentation you may care to undertake. It is subject to revision as additional knowledge and experience are gained. We make no guarantee of results and assume no obligation or liability whatsoever in connection with this information.

*File 8123\_obu,Dev spec, Issued May 7, 2012\_sf*

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