



## SPECIFICATION SHEET

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# Reinforced Polypropylene

| Property                          |           | Test Method                    | Values     |            |            |
|-----------------------------------|-----------|--------------------------------|------------|------------|------------|
| Thickness (mils nominal)          |           | ASTM D751                      | 36         | 45         | 60         |
| Plies Reinforcing                 |           |                                | 1          | 1          | 1          |
| Breaking Strength (lbs min)       | Warp (MD) | ASTM D751, Method A            | 275        | 275        | 300        |
|                                   | Fill (TD) | ASTM D751, Method A            | 250        | 250        | 250        |
| Tear Strength (lbs min)           | Warp (MD) | ASTM D751, Tongue Tear         | 70         | 70         | 70         |
|                                   | Fill (TD) | ASTM D751, Tongue Tear         | 70         | 70         | 70         |
| Hydrostatic Resistance (psi min)  |           | ASTM D751, Method A            | 350 psi    | 350 psi    | 350 psi    |
| Puncture Resistance               |           | FTMS 101C, Method 2031         | 300 lbs    | 300 lbs    | 300 lbs    |
| Ply Adhesion (lbs/2 inches min)   |           | ASTM D413                      | 40         | 40         | 40         |
| Dimensional Stability (% Δ Max)   |           | ASTM D1204 (180°F / 1 hour)    | 1%         | 1%         | 1%         |
| Low Temperature (Degrees F)       |           | ASTM D2136 (1/8" Mandrel, 4hr) | -40°       | -40°       | -40°       |
| Abrasion Resistance (# of Cycles) |           | ASTM D3884 (H18 / 1kg)         | 5,000      | 7,500      | 10,000     |
| Stress Crack Resistance           |           | ASTM D1693                     | 3,000 hrs  | 3,000 hrs  | 3,000 hrs  |
| UV Resistance                     |           | ASTM G155                      | 20,000 hrs | 20,000 hrs | 20,000 hrs |
| FACTORY SEAM PROPERTIES           |           |                                |            |            |            |
| Bonded Seam Strength              |           | ASTM D751                      | 200 lb min | 200 lb min | 200 lb min |
| Peel Adhesion (lbs/in min)        |           | ASTM D413                      | 20 lbs/in  | 20 lbs/in  | 20 lbs/in  |

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