

**Product Name: TPU 2058**
**TPU Coated both sides membrane, Nylon fabric, Heavy duty product.**
**End Use:** Potable Water Tanks.

**Approved for International Specification:** NSF/ANSI 61; AS/NZS 4020; WRAS; BS 6920;

The Polyurethane coating has potable water approvals for: MIL-T-53029C

| Properties                                                                     | Typical Characteristics                                          |                               |
|--------------------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------|
| Test & Method                                                                  | English                                                          | Metric                        |
| Base Fabric                                                                    | Nylon 1690 Den<br>13.9 [Oz/yd²]                                  | Nylon 1880 Dtx<br>470 [gr/m²] |
| Total Weight<br>ASTM D 751                                                     | 34.2 [Oz/yd²]                                                    | 1160 [gr/m²]                  |
| Breaking Strength - Strip<br>ASTM D 751 method B                               | 725 / 670 [lbs/inch]                                             | 6500 / 6000 [N/5 cm]          |
| Elongation at break<br>ASTM D 751 method B                                     | 25 / 35 [%]                                                      |                               |
| Tear Strength - Single Rip<br>ASTM D 751 method B, DIN 53356                   | 55 / 55 [lbs]                                                    | 250 / 250 [N]                 |
| Tear Strength - Double Rip<br>ISO 4674                                         | 110 / 110 [lbs]                                                  | 500 / 500 [N]                 |
| Tear Strength - Trapez<br>DIN 53363                                            | 120 / 110 [lbs]                                                  | 550 / 500 [N]                 |
| Coating Adhesion (HF welding)<br>ASTM D 751-Dry                                | 44 / 44 [lbs/inch]                                               | 400 / 400 [N/5 cm]            |
| Coating Adhesion (HF welding)<br>ASTM D 751-After Hydrolysis (14 days @ 160°F) | 42 / 42 [lbs/inch]                                               | 380 / 380 [N/5 cm]            |
| Coating Adhesion (HF welding)<br>ASTM D 751-After Hydrolysis (42 days @ 160°F) | 39 / 39 [lbs/inch]                                               | 350 / 350 [N/5 cm]            |
| Abrasion Resistance<br>(Taber H-22 Wheel 1 Kg load) ASTM D 3389                | 30 mg / 1000 cycles                                              |                               |
| Air Porosity<br>B.S. 4F 100 Clause 32.1                                        | Pass (10 min at 7 psi)                                           |                               |
| Weathering- 4000 hrs. ASTM G 154<br>UVA 8 hrs. 60°C, 4 hrs. Cond. 50°C         | No cracking<br>No change on surface texture. Slight color change |                               |
| Cold Crack / Bend<br>Din 53361                                                 | -76°F                                                            | -60°C                         |
| Puncture Resistance<br>Fed. Std. 101-2031                                      | 485 [lbs]                                                        | 2200 [N]                      |

