

# Technical Data Superb



| <u>PRODUCT IDENTIFICATION</u>                           |   |  |              |
|---|---|--|--------------|
| <b>Product Name</b>                                     | Superb-50                                       | <b>Application</b>                             | Soccer       |
| <b>Model</b>  | Superb-5004E170-PU                              | <b>Roll Width</b>                              | 4.0m/2.0m    |
| <b>Color</b>  | Emerald&Olive Bi-color                          | <b>Roll Length</b>                             | On request   |
| <b>Accreditations and Testing</b>                       | FIFA Quality Concept, ASTM, EN, DIN, Trace, SGS |  |              |
| <u>YARN CHARACTERISTICS</u>                             |   |  |              |
| <b>Yarn 1</b>   |   | <b>Yarn 2</b>                                  |              |
| <b>Structure</b>  | Monofilament                                    | <b>Structure</b>                               | N/A          |
| <b>Composition (ISO 11357)</b>                          | PE  | <b>Composition</b>                             | N/A          |
| <b>Dtex (ASTM D1907)</b>                                | 17000   | <b>Dtex (ASTM D1577)</b>                       | N/A          |
| <b>Tape Thickness (ASTM D3218)</b>                      | 400µm   | <b>Tape thickness (ASTM D3218)</b>             | N/A          |
| <b>Tape Width:</b>                                      | 1.24mm  | <b>Tape Width</b>                              | N/A          |
| <b>UV Effects (EN ISO 20105)</b>                        | Grey Scale 4-5, no visual change                | <b>Yarn Breaking Strength (ASTM D2256)</b>     | ≥ 110 N      |
| <b>Pill Burn Test (ASTM D2859)</b>                      | Pass  | <b>Yarn Melt Point (ASTM D789)</b>             | 120°C        |
| <u>CARPET CHARACTERISTICS</u>                           |   |  |              |
| <b>TURF</b>   |   |  |              |
| <b>Pile Height (ISO 2549)</b>                           | 50mm±1mm  | <b>Gauge (ASTM D418-93)</b>                    | 5/8inch      |
| <b>Number of Strands per Tuft</b>                       | 6   | <b>Stitches per 10cm</b>                       | 14±1         |
| <b>Stitches per m2 (ISO 1763)</b>                       | 8820±100  | <b>Total Yarn Weight (ISO 2549)</b>            | 1670g/sqm    |
| <b>BACKING</b>  |   |  |              |
| <b>Primary Backing</b>                                  | Double PP                                       |  |              |
| <b>Weight (ASTM D5848)</b>                              | 200g/sqm  |  |              |
| <b>Secondary Backing</b>                                | PU  |  |              |
| <b>Weight (ASTM D5848)</b>                              | 900g/sqm±10%                                    |  |              |
| <b>Total Carpet Weight (ASTM D5848)</b>                 |   | 2770g/sqm ±100g                                |              |
| <b>Carpet</b>   |   |  |              |
| <b>Carpet Tuft Withdrawal (EN 13744 &amp; ISO 4919)</b> | ≥ 40N   | <b>Water Permeability of Carpet (EN 12616)</b> | ≥ 2000 mm/hr |
| <u>INFILL REQUIREMENTS</u>                              |   |  |              |
| <b>Sand</b>   |   |  |              |
| <b>Particle Size Range</b>                              | 0.5 – 1.0 mm                                    | <b>Particle shape</b>                          | C2           |
| <b>Bulk Density</b>                                     | 1460 Mg/cm3                                     | <b>Application rate</b>                        | 25 kg/m2     |
| <b>SBR</b>  |   |  |              |
| <b>Particle size range</b>                              | 0.8 – 2.5 mm                                    | <b>Particle shape</b>                          | A2           |
| <b>Bulk density</b>                                     | 480 Mg/cm3                                      | <b>Application rate</b>                        | 8 kg/m2      |