

**Product Data Sheet Item No. 2003-045**  
**Fall Safety Net by the m<sup>2</sup> (Custom-Made) with**  
**Thimble Hooks**

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**TECHNICAL DATA**

|   |  |
|---|--|
| <b>Available Colors</b>                           | green, white, blue, black, anthracite, red, beige (hemp colored)                                       |
| <b>Material</b>                                   | high tenacity polypropylene, knotless  |
| <b>Material Diameter</b>                          | Ø 5.0 mm   |
| <b>Mesh Size</b>                                  | 45 x 45 mm   |
| <b>Pose of Meshes</b>                             | quadratic (square)   |
| <b>Mesh Connection</b>                            | knotless braid   |
| <b>Edge Design</b>                                | reinforced selvage cord of approx. 9 mm, with edged rope, with thimble hooks out of steel every 2.50 m |
| <b>Edged Rope</b>                                 | polysteel rope (Ø 12 mm, white), all around  |
| <b>Max. Tensile Strength of a Mesh</b>            | 3200 N   |
| <b>Energy Absorption (approx.)</b>                | 9.0 kJ   |
| <b>Tensile Strength of Edged Rope</b>             | 30 kN  |
| <b>Tensile Breaking Force Referred to Density</b> | 7.0 cN/den   |
| <b>Breaking Elongation of Filament</b>            | 15%  |
| <b>Standards and Rules</b>                        | BG regulation no. 179, EN 1263-1   |
| <b>Certificate</b>                                | GS verification certificate 23100027, Oeko-Tex®; certificate 12.0.02466                                |
| <b>Net Class</b>                                  | B1   |
| <b>Safety Net System</b>                          | S (rope-edged safety net)  |
| <b>Regular Inspection Interval</b>                | 12 months  |
| <b>Number of Test Meshes</b>                      | 3 pcs.   |
| <b>Continuous Operating Temperature</b>           | -40 to +80 °C  |
| <b>Melting Point</b>                              | 165 °C   |
| <b>Washing Temperature (max.)</b>                 | 30 °C  |

|   |   |
|---|---|
| Yarn Moisture Regain                                    | 0%  |
| Tensile Strength Reduction Because Of Moisture          | 0%  |
| Resistance to Weak/Strong Acids                         | very good/good                                |
| Resistance to Weak/Strong Alkalis                       | good/not good                                 |
| Resistance to Organic Solvents                          | good  |
| Resistance to Benzine and Greases                       | very good                                     |
| Bending Strength & Abrasion Resistance                  | good  |
| Weather-Resistance                                      | good  |
| UV-Resistance   | 300 kly                                       |
| Tensile Strength After Two Years of Climatic Influences | 90%   |
| Elasticity After Years of Climatic Influences           | good long-term flexibility, little elongation |
| Flexibility When Used in Water                          | stays flexible                                |
| Contraction When Used in Water                          | low contraction                               |
| Contraction When Used Outside                           | no contraction                                |
| Behavior in High Heat / Fire                            | melting                                       |
| Electrical Characteristics                              | isolating, no electrical conductivity         |
| Customs Tariff No.                                      | 56081930                                      |
| Area Density  | 475 g/m <sup>2</sup>                          |