

# Product Data Sheet Item No. 1741-100

## Custom-made Light Dome Safety Net

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### TECHNICAL DATA

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| Available Colors                           | green   |
| Material                                   | high tenacity polypropylene, knotless   |
| Material Diameter                          | Ø 4.75 mm   |
| Mesh Size                                  | 100 x 100 mm  |
| Pose of Meshes                             | quadratic (square)  |
| Mesh Connection                            | knotless braid  |
| Edge Design                                | reinforced selvage cord of approx. 9 mm, with integrated ratchet strap  |
| Max. Tensile Strength of a Mesh            | 3000 N  |
| Permissible Tensile Force                  | belt strap: 2000 daN  |
| Energy Absorption (approx.)                | 4.8 kJ  |
| Minimum Tensile Load of Test Mesh          | 38 J  |
| Tensile Breaking Force Referred to Density | 7.0 cN/den  |
| Breaking Elongation of Filament            | 15%   |
| Standards and Rules                        | EN 795, EN 1263-1   |
| Certificate                                | DEKRA certificate ZQS/B341/15, (DEKRA certificate only applies to nets with lateral lengths between 2.00 and 3.00 m), EC type examination certificate with CE-marking (CE 0158), Oeko-Tex&reg; certificate 12.0.02466 |
| Net Class                                  | A2  |
| Safety Net System                          | S (rope-edged safety net)   |
| Regular Inspection Interval                | 12 months   |
| Number of Test Meshes                      | 3 pcs.  |
| Continuous Operating Temperature           | -40 to +80 °C   |
| Melting Point                              | 165 °C  |
| Washing Temperature (max.)                 | 30 °C   |
| Yarn Moisture Regain                       | 0%  |

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|--|---|
| <b>Tensile Strength Reduction Because Of Moisture</b>          | 0%  |
| <b>Resistance to Weak/Strong Acids</b>                         | very good/good  |
| <b>Resistance to Weak/Strong Alkalis</b>                       | good/not good   |
| <b>Resistance to Organic Solvents</b>                          | good  |
| <b>Resistance to Benzine and Greases</b>                       | very good   |
| <b>Bending Strength &amp; Abrasion Resistance</b>              | good  |
| <b>Weather-Resistance</b>                                      | good  |
| <b>UV-Resistance</b>   | 300 kly   |
| <b>Tensile Strength After Two Years of Climatic Influences</b> | 90%   |
| <b>Elasticity After Years of Climatic Influences</b>           | good long-term flexibility, little elongation               |
| <b>Flexibility When Used in Water</b>                          | stays flexible  |
| <b>Contraction When Used in Water</b>                          | low contraction   |
| <b>Contraction When Used Outside</b>                           | no contraction  |
| <b>Behavior in High Heat / Fire</b>                            | melting   |
| <b>Electrical Characteristics</b>                              | isolating, no electrical conductivity                       |
| <b>Application</b>   | temporary fall protection and stop mechanism for one person |
| <b>Customs Tariff No.</b>                                      | 56081930  |