

# Product Data Sheet Item No. 2103-060

## Fall Safety Net by the m<sup>2</sup> (Custom-Made) with Suspension Ropes

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### TECHNICAL DATA

Available Colors	green, blue, black, red
Material	high tenacity polypropylene, knotless
Material Diameter	Ø 5.0 mm
Mesh Size	60 x 60 mm
Pose of Meshes	quadratic (square)
Mesh Connection	knotless braid
Edge Design	reinforced selvage cord of approx. 9 mm, with edged rope, with suspension ropes every 2.50 m (respectively 2.50 m long, Type L, PA Ø12 mm, with spliced loop)
Edged Rope	polysteel rope (Ø 12 mm, white), all around
Max. Tensile Strength of a Mesh	3200 N
Energy Absorption (approx.)	6.1 kJ
Tensile Strength of Edged Rope	30 kN
Tensile Strength of Suspension Ropes	30 kN
Tensile Breaking Force Referred to Density	7.0 cN/den
Breaking Elongation of Filament	15%
Standards and Rules	BG regulation no. 179, EN 1263-1
Certificate	GS verification certificate 23100029, Oeko-Tex&reg; certificate 12.0.02466
Net Class	A1
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

<b>Washing Temperature (max.)</b>	30 °C
<b>Yarn Moisture Regain</b>	0%
<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>Customs Tariff No.</b>	56081930
<b>Area Density</b>	375 g/m <sup>2</sup>