

**Product Data Sheet Item No. 1903F100**  
**Flame-Retardant Fall Safety Net by the m<sup>2</sup>**  
**(Custom-Made)**

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**TECHNICAL DATA**

<b>Available Colors</b>	green, white
<b>Material</b>	high tenacity polypropylene, knotless, flame-retardant
<b>Material Diameter</b>	Ø 0.20" (316")
<b>Mesh Size</b>	4.0" x 4.0"
<b>Pose of Meshes</b>	quadratic (square)
<b>Mesh Connection</b>	knotless braid
<b>Edge Design</b>	reinforced selvage cord of approx. 38", with edged rope
<b>Edged Rope</b>	polysteel rope (Ø 12", white), all around
<b>Max. Tensile Strength of a Mesh</b>	720 lbf
<b>Energy Absorption (approx.)</b>	4.8 kJ
<b>Tensile Strength of Edged Rope</b>	6,700 lbf
<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, DGUV standard 101-011, EN 1263-1, EN 13501-1 (flame-retarding), classification B-s1 d2, DIN 4102 (B1, flame-retarding)
<b>Certificate</b>	GS verification certificate 23100030, MPA-Bau certification report P-NDS04-851, Oeko-Tex&reg; certificate 12.0.02466
<b>Net Class</b>	A2
<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 +175 °F
<b>Melting Point</b>	329 °F
<b>Washing Temperature (max.)</b>	80 °F

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	8.85 oz/yd <sup>2</sup>