

# Product Data Sheet Item No. 771M

## Flame-Retardant Fabric by the m<sup>2</sup>

(Custom-Made)

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### TECHNICAL DATA

|   |   |
|---|---|
| Available Colors  | green, white, blue, black   |
| Material  | high tenacity polypropylene, flame-retardant, woven tight                       |
| Type of Textile   | polypropylene monofilament  |
| Mesh Size   | 1 x 1 mm  |
| Production Tolerance                                    | external dimensions: ± 2.5 cm   |
| Shading   | 98%   |
| Wind Reduction  | 98%   |
| Edge Design   | with reinforced and stitched edges all around (approx. 40 mm wide)              |
| Eyelets   | inside diameter Ø 16 mm, all around, with chosen spacing (standard every 50 cm) |
| Breaking Elongation of Filament                         | 15%   |
| Standards and Rules                                     | DIN 4102 (B1, flame-retarding)  |
| Continuous Operating Temperature                        | -40 to +80 °C   |
| Melting Point   | 165 °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   | 250 kly   |
| Tensile Strength After Two Years of Climatic Influences | 90%   |
| Elasticity After Years of Climatic Influences           | good long-term flexibility, no 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>  | low contraction                       |
| <b>Behavior in High Heat / Fire</b>   | melting                               |
| <b>Electrical Characteristics</b>     | isolating, no electrical conductivity |
| <b>Customs Tariff No.</b>             | 95069990                              |
| <b>Area Density</b>                   | 510 g/m <sup>2</sup>                  |