

## WOVEN FABRIC TECHNICAL DATA SHEET

Product Reference: VK – 390 T

| Characteristics    |                  | Nominal   | Tolerance | Normative    |
|--------------------|------------------|-----------|-----------|--------------|
| Mass per unit area | g/m <sup>2</sup> | 396       | ± 5%      | ISO 4605     |
| Weave              |                  | 2/2 Twill |           | ISO 2113     |
| Width              | mm               | 1270      | ± 2,5%    | ISO 22198    |
| Thickness          | mm               | 0.35      | ± 5%      | ISO 5084(**) |
| Other information  |                  | Loomstate |           |              |

| Nominal Construction              |                       | Warp                                     |          | Weft                                     |                     |
|-----------------------------------|-----------------------|------------------------------------------|----------|------------------------------------------|---------------------|
| 1 <sup>st</sup> Fibre Description |                       | Aramid Fibre<br>Type 2200 – 2420 dtex    |          | Aramid Fibre<br>Type 2200 – 2420 dtex    |                     |
| 2 <sup>nd</sup> Fibre Description |                       | E Glass Roving<br>Glass Roving – 600 tex |          | E Glass Roving<br>Glass Roving – 600 tex |                     |
| Thread Count                      | 1 <sup>st</sup> Fibre | 2.3 ends/cm                              | ISO 4602 | 2.3 ends/cm                              | ISO 4602            |
|                                   | 2 <sup>nd</sup> Fibre | 2.3 ends/cm                              | ±2%      | 2.3 ends/cm                              | ±2%                 |
| Weight Distribution               | 1 <sup>st</sup> Fibre | 60 g/m <sup>2</sup>                      | 15%      | 60 g/m <sup>2</sup>                      | 15%                 |
|                                   | 2 <sup>nd</sup> Fibre | 138 g/m <sup>2</sup>                     | 35%      | 138 g/m <sup>2</sup>                     | 35%                 |
| Weight Rate                       |                       | 50%                                      |          | 50%                                      |                     |
| Selvedges                         |                       | Weaving style                            | Leno     | Type of Fibre                            | HM polyester 22 tex |

| Mechanical Properties of Fibre | Strength | Modulus (Nominal) |
|--------------------------------|----------|-------------------|
| Type 2200 – 2420 dtex          | 3067 Mpa | 105 Gpa           |
| Glass roving - 600 tex         | 2000 Mpa | 73 Gpa            |

(\*\*) Theoretical thickness for an epoxy laminate with 40% of reinforcement in volume.

**Note:** Technical information furnished is based on laboratory findings and believed to be correct. No warranties of any kind are made except that the materials supplied are of standard quality. All risk and liabilities arising from handling, storage and use of products, as well as compliance with applicable legal restrictions, rests with the user.