

Technical Data Sheet

Fabric Type BAS 350.1500.A

Woven fabric for composite applications, is entirely made of 100% BCF (basalt continuous filament) direct (unassembled) roving.

The first code 350 is the surface density in g/m²

The second code 1500 is the width of the fabric in mm.

The third code indicates the weave.

| Property | Standard/Method | Unit | Value | Tolerance |
|-----------------------------------|-------------------------|--------------------|--------------------------------------|-----------|
| Base material | | | | |
| Density of unsized filament matl | | kg/dm ³ | 2.67 | ± 5% |
| Moisture content of basaltic rock | | % | 0.1 | ± 0.05 |
| Melting point | | °C | 1350 | ± 100 |
| Fabric | | | | |
| Specific surface weight | ISO 3374:2000 | g/m ² | 350 | |
| Weave type | | | Atlas type | |
| Yarn density/type: | | | | |
| - warp | | ends/cm | 15.0 | |
| - weft | | ends/cm | 7.5 | |
| Width | ISO 5025:1997 | mm | 1500 | -0/+20 |
| Thickness | ISO 4603:1993 | mm | 0.19 | |
| Sizing type | | | silane | |
| Breaking load: | ISO 4606:1995 – Type II | | | |
| - warp | | N/25mm | >3800 | |
| - weft | | N/25mm | >1900 | |
| Continuous temperature range | | °C | 250°C – 550°C 1200°C fire barrier | |
| Moisture content (fabric) | ISO 3344:1997 | % | <0.3 | |
| LOI, also sizing content | ISO 1887:1995* | % | 0.4 – 0.6 | |
| Combustibility | NF P92-503:1995 | M0 | Pass | |
| UV stability | ISO 105-B02 | | 6 | |
| Colour fastness | ISO 1005-BX12 | | 6 | |

* after drying according ISO 3344:1997

Packaging

Fabric length is approximately 100 lm per roll. Other length on request. Roll tube has internal diameter of 55 mm. Identification label. Standard packing.

Product Stability:

BASALTEX™ Products have not been designed for full external exposure conditions and cannot be guaranteed for use in such situations. However, these BASALTEX™ products have considerable tolerance to damp conditions and occasional water immersion. After drying out, the product will give the same level of performance as the original sample.

Stability over time:

Said products not being subjected to excessive heat, wear and abrasion, all evidence obtained to date indicates that their performance should not significantly change over a significant period of time. It is the responsibility of the developer of the end-product, finished device or system to test its performance in the end-application.