# incotelogy_pos_zentriertAL01BBP150.100.12

Article Number FGMW0032

**Technical Data Sheet**

21st August 2014

1. **Fabric**

|  |  |  |
| --- | --- | --- |
| Weave |  | Plain |
| Weight, g/m2 | ISO 3374:2000 | 150 ± 20 |
| Thread type warp  Thread type weft |  | Basalt roving  Basalt roving |
| Thread count,, F/cm warp  Thread count,, F/cm weft |  | 8 ± 1  10 ± 1 |
| Width, mm | ISO 5025:1997 | 100 ± 1 |
| Thickness, mm | ISO 4603:1993 | 0.12 ± 0.02 |
| Combustibility, M0 | NF P92-503:1995 | Pass |
| Loss on ignition, % weight | ISO 1887:1995\* | 0.4 - 0.6 |
| UV stability | ISO 105-B02 | 6 |
| Color stability | ISO 1005-BX12 | 6 |

**\*** After drying according to ISO 3344:1997

1. **Basalt fiber**

|  |  |  |
| --- | --- | --- |
| Fiber |  | Basalt continuous filament |
| Specific weight (without sizing), g/cm3 |  | 2.67 ± 5% |
| Melting temperature, °C |  | 1350 ± 100 |
| Moisture content, % weight | ISO 3344:1997 | 0.1 ± 0.005 |

1. **Sizing no. 12\*\***

|  |  |
| --- | --- |
| Sizing | Epoxy silane |
| Sizing content | >0,4 % weight |
| Compatibility | Epoxy (EP), phenolic (PF) |
| Processing | Laminate, prepreg |
| Application | Laminates, fire protection, thermal and sound insulation, textile reinforcing concrete, reinforced structural parts, boat building, mold making, container etc. |

**\*\***Other sizing types available by order over 3000 sqm.

1. **Coating**

|  |  |
| --- | --- |
| Coating | Aluminum layer deposited in vacuum on one side of fabric |
| Layer weight, g/m2 | 0.19 |
| Layer thickness, nm | 60 - 70 |

1. **Packaging**

Standard roll length amounts to 300 m (other lengths available on request). Tube interior diameter is 76 mm. Fabrics rolls are individually wrapped in foil and delivered on a pallet.

1. **Storage**

Basalt fabrics should be stored in the package at the stock (indoor conditions). Rolls should be placed parallel to each other.