

# isoGLAS<sup>®</sup> - Gewebe

## isoGLAS<sup>®</sup> - woven fabric

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| <b>Typische Einsatzgebiete:</b> <ul style="list-style-type: none"> <li>• Anlagenbau und Chemische Industrie</li> <li>• Kraftwerkstechnik</li> <li>• Werft- und Schiffsbau</li> </ul> | <b>Typical applications:</b> <ul style="list-style-type: none"> <li>• Plant construction and chemical industry</li> <li>• Power plant</li> <li>• Ship yard- and ship building</li> </ul> |
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| <b>Lieferdaten / Supply data:</b><br><br>Breite / width:<br><br><br><br>Länge / length: | 3798100019 ⇒ 1000 mm<br>3798100219 ⇒ 1020 mm<br>3798100319 ⇒ 2000 mm<br>nach Auftrag / on request |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|

| Allgemeine Angaben / General data                                                                                                                               |                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Materialnummer / material number                                                                                                                                | 3798100...                                                                                                       |
| Fasertyp / type of fibres                                                                                                                                       | E-Glas / E-Glass                                                                                                 |
| Faserfeinheit / fineness of fibre                                                                                                                               | 6 - 15 µm                                                                                                        |
| Anwendungsgrenztemperatur / application limit                                                                                                                   | 550°C                                                                                                            |
| Anwendungsgrenztemp. kurzzeitig / brief peaks up to                                                                                                             | 650°C                                                                                                            |
| Farbe / colour                                                                                                                                                  | weiß / white                                                                                                     |
| Bindung / weave                                                                                                                                                 | Leinwand / plain                                                                                                 |
| Zulassungen/Approvals                                                                                                                                           |                                                                                                                  |
| <ul style="list-style-type: none"> <li>• EG-Baumusterprüfbescheinigung / EC-Type Examination Certificate</li> <li>• USCG Modul B</li> <li>• TÜV Nord</li> </ul> | 114.492 Modul B - See-BG /<br>114.492 Module B<br>164.109/EC0736/114.492<br>Prüf - Nr. / Report Nr. NN 04/4043.1 |

| Physikalische Kennwerte / physical properties   |                    |                     |       |
|-------------------------------------------------|--------------------|---------------------|-------|
| Flächengewicht / weight per square meter        | DIN EN 12127       | [g/m <sup>2</sup> ] | 1110* |
| Dicke / Thickness                               | DIN EN ISO 5084    | [mm]                | 1,6*  |
| Fadenzahl Kette / Threads in warp               | DIN EN 1049-2      | [Fd/10 cm]          | 55*   |
| Fadenzahl Schuß / Threads in weft               | DIN EN 1049-2      | [Fd/10 cm]          | 33*   |
| Reißfestigkeit Kette / Tensile strength in warp | DIN EN ISO 13934-1 | [N/5 cm]            | 5500* |
| Reißfestigkeit Schuß / Tensile strength in weft | DIN EN ISO 13934-1 | [N/5 cm]            | 3650* |
| Dehnung Kette / Elongation in warp              | DIN EN ISO 13934-1 | [%]                 | 7*    |
| Dehnung Schuß / Elongation in weft              | DIN EN ISO 13934-1 | [%]                 | 3*    |

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| Bei der Vielseitigkeit der Einbau- und Betriebsbedingungen sowie der Anwendungs- und Verfahrenstechnik können die Angaben in diesem Datenblatt nur als unverbindliche Richtlinien gelten. | With the variety of installation and service conditions as well as of application and process engineering, the data of this sheet can only be taken as a non-binding guide. |
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| *=Modalwert (Typischer Wert) / modal value (typical value) | Ausgabe / issue: 08.12 | Änderungsstand / modification: 4 |
|------------------------------------------------------------|------------------------|----------------------------------|



# isoGLAS<sup>®</sup> - Gewebe, einseitig Alufix

## isoGLAS<sup>®</sup> - fabric, one face Alufix

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| <b>Typische Einsatzgebiete:</b>      | <b>Typical applications:</b>               |
| · Werft- und Schiffsbau              | · Ship yard- and ship-building             |
| · Kraftwerkstechnik                  | · Power plant                              |
| · Anlagenbau und Chemische Industrie | · Plant construction and chemical industry |

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|-----------------------------------|---------------------------|
| <b>Lieferdaten / Supply data:</b> |                           |
| Breite / width:                   | ~ 1000 mm                 |
| Länge / length:                   | nach Auftrag / on request |

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|----------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Allgemeine Angaben / General data</b>                             |                                                                                      |
| Materialnummer / material number                                     | 3798220018                                                                           |
| Fasertyp / type of fibres                                            | E-Glas / E-Glass                                                                     |
| Faserfeinheit / fineness of fibre                                    | 6 - 15 µm                                                                            |
| Beschichtung / Coating                                               | einseitig Alufix / one face Alufix                                                   |
| Anwendungsgrenztemperatur / application limit                        | 550°C                                                                                |
| Anwendungsgrenztemp. kurzzeitig / brief peaks up to                  | 650°C                                                                                |
| Beschichtung / Coating                                               | organischer Binder zersetzt sich ab ca. 200°C /<br>organic binder decompose at 200°C |
| Farbe Trägergewebe / colour basic weave                              | weiß / white                                                                         |
| Farbe Beschichtung / colour coating                                  | grau / grey                                                                          |
| Bindung / weave                                                      | Atlas / satin                                                                        |
| Zulassungen/Approvals                                                |                                                                                      |
| · EG-Baumusterprüfbescheinigung /<br>EC-Type Examination Certificate | 118.112 Modul B - See-BG /<br>118.112 Module B                                       |
| · USCG Modul B                                                       | 164.112/EC0736/118.112                                                               |
| · TÜV Nord                                                           | Prüf - Nr. / Report Nr. SN 04/4044.1                                                 |

|                                                      |                            |                     |      |
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| <b>Physikalische Kennwerte / physical properties</b> |                            |                     |      |
| Flächengewicht / weight per square meter             | DIN EN 12127               | [g/m <sup>2</sup> ] | 660* |
| Dicke / Thickness                                    | DIN EN ISO 5084            | [mm]                | 0,7* |
| Fadenzahl Kette / Threads in warp                    | DIN EN 1049-2              | [Fd/10 cm]          | 160* |
| Fadenzahl Schuß / Threads in weft                    | DIN EN 1049-2              | [Fd/10 cm]          | 155* |
| Beschichtungsaufgabe gesamt / total coating weight   | DIN EN 12127               | [g/m <sup>2</sup> ] | 35*  |
| Glühverlust / Loss on ignition                       | DIN ISO 1887<br>(800°C/1h) | [%]                 | 4,5* |

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| *=Modalwert (Typischer Wert) / modal value (typical value) | Ausgabe / issue: 12.06 | Änderungsstand / modification: 3.3 |
|------------------------------------------------------------|------------------------|------------------------------------|

## isoGLAS<sup>®</sup> - Gewebe, einseitig Alu-PES-Folie

## isoGLAS<sup>®</sup> - woven fabric, 1 face aluminized PES-foil

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| <b>Typische Einsatzgebiete:</b><br>· Werft- und Schiffsbau<br>· Kraftwerkstechnik, elektrische Isolation<br>· Anlagenbau und Chemische Industrie | <b>Typical applications:</b><br>· Ship yard- and ship-building<br>· Power plant<br>· Plant construction and chemical industry |
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| <b>Lieferdaten / Supply data:</b><br>Breite / width:<br>Länge / length: | ca. / abt. 1000 mm<br>50 lfm / lin. m. |
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| Allgemeine Angaben / General data                       |                                                                                       |
|---------------------------------------------------------|---------------------------------------------------------------------------------------|
| Materialnummer / material number                        | 3798060006                                                                            |
| Fasertyp / type of fibres                               | E-Glas / E- Glass                                                                     |
| Faserfeinheit / fineness of fibre                       | 6 - 10 µm                                                                             |
| Beschichtung / Coating                                  | einseitig Alu-PES-Folie /<br>one face aluminised polyester foil                       |
| Anwendungsgrenztemperatur / application limit           | 550°C                                                                                 |
| Anwendungsgrenztemp. kurzzeitig / brief peaks up to     | 650°C                                                                                 |
| Anw.grenztemp. Alu-PES-Folie / Appl. limit Alu-PES-foil | 180 °C                                                                                |
| Beschichtung / Coating                                  | organischer Binder zersetzt sich ab ca. 200°C /<br>organic binder decomposes at 200°C |
| Farbe Trägergewebe / colour basic weave                 | weiß / white                                                                          |
| Farbe Beschichtung / colour coating                     | silber / silver                                                                       |
| Bindung / weave                                         | Atlas / satin                                                                         |

| Physikalische Kennwerte / physical properties   |                 |            |      |
|-------------------------------------------------|-----------------|------------|------|
| Flächengewicht / weight per square meter        | DIN EN 12127    | [g/m²]     | 675* |
| Dicke / Thickness                               | DIN EN ISO 5084 | [mm]       | 0,7* |
| Fadenzahl Kette / Threads in warp               | DIN EN 1049-2   | [Fd/10 cm] | 160* |
| Fadenzahl Schuß / Threads in weft               | DIN EN 1049-2   | [Fd/10 cm] | 150* |
| Beschichtungsaufgabe gesamt / weight of coating | DIN EN 12127    | [g/m²]     | 25*  |

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| *=Modalwert (Typischer Wert) / modal value (typical value) | Ausgabe / issue: 04.05 | Änderungsstand / modification: 5 |
|------------------------------------------------------------|------------------------|----------------------------------|