

PRODUCT DATA SHEET

BAGGES CSF-22

Product Description :

Amorphous Silica Fabric is the preferred choice in the thermal protection of equipment and personnel in high temperature applications. BAGGES CSF-22 can withstand molten metal temperatures and can protect personnel and equipment at continuous temperatures up to 1,900°F (1,100°C). BAGGES CSF-22 can be used for fabricating welding drop cloths, stress relief blankets, protective screens/covers, furnace curtains, insulation mats and cable tray wraps. BAGGES CSF Amorphous Silica Fabrics are used extensively in the power generation (nuclear approved), refinery, shipbuilding, ship repair and metal processing industries.

Features/Benefits :

Features

- Fireproof
- Resists penetration of weld “slag” and passes welding “burn through” test
- High strength and flexibility
- Easily sewn and fabricated

Benefits

- Protects equipment and personnel in the toughest welding applications
- Protects against hot work fires
- Wide product variety (blankets, curtains, mats)

| Properties | Value / Unit | | | | | | | | | | | | | | | | | | |
|---|---|------|--------|------|------|---|-----|------|---|-----|---|--|--|------|---|-----|------|---|-----|
| Silicon Dioxide Content | 95 - % or greater | | | | | | | | | | | | | | | | | | |
| Nominal Weight | 36/1220 - oz./yd ² /gms/m ² | | | | | | | | | | | | | | | | | | |
| Nominal Areal Shrinkage | 13 - % | | | | | | | | | | | | | | | | | | |
| Nominal Thickness | 0.048/1.22 - in/mm | | | | | | | | | | | | | | | | | | |
| Weave Construction | 12 - Harness satin | | | | | | | | | | | | | | | | | | |
| Melt Point | 1650 - °C | | | | | | | | | | | | | | | | | | |
| Tensile strength, PLI Initial | <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="width: 70%;"></th> <th style="width: 15%;">Values</th> <th style="width: 15%;">Unit</th> </tr> </thead> <tbody> <tr> <td>Warp</td> <td style="text-align: center;">-</td> <td style="text-align: center;">580</td> </tr> <tr> <td>Fill</td> <td style="text-align: center;">-</td> <td style="text-align: center;">415</td> </tr> <tr> <td colspan="3" style="text-align: center;">After 3 hrs @1800°F (Remains very flexible)</td> </tr> <tr> <td>Warp</td> <td style="text-align: center;">-</td> <td style="text-align: center;">195</td> </tr> <tr> <td>Fill</td> <td style="text-align: center;">-</td> <td style="text-align: center;">105</td> </tr> </tbody> </table> | | Values | Unit | Warp | - | 580 | Fill | - | 415 | After 3 hrs @1800°F (Remains very flexible) | | | Warp | - | 195 | Fill | - | 105 |
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| Properties | Value / Unit |
|------------|--|
| Notes: | <ol style="list-style-type: none">1. Standard roll length is 50 yards. Other roll lengths are available.2. BAGGES CSF-22 is available at widths of 36 and 60 inches.3. BAGGES CSF Silica fabrics can meet Military Specs MIL-C-24576A (SH) and MIL-I-24244C upon request.4. A proprietary surface finish is applied for improved handling at low temperatures.5. BAGGES CS fabrics are amorphous silica textiles, and contain no asbestos or ceramic fibers.6. Shrinkage data represents areal shrinkage after 30 minutes of exposure time at 1000°C. |

NB: Unless otherwise stated, all values quoted are nominal measurements. The information contained in this data sheet is believed to be true at the time of printing. Any statements contained or inferred to within are an expression of opinion and presented without guarantee. It is up to the user to determine suitability of use, or potential patent infringement for specific applications.

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