

## Technical Data Sheet

## Robaflow<sup>®</sup> S

### Product characteristics

- High stiffness
- Excellent chemical resistance

### Product applications

- Paper industry / headbox vanes

|                                         | Test method             | Unit                 | Guideline Value   |
|-----------------------------------------|-------------------------|----------------------|-------------------|
| <b>General properties</b>               |                         |                      |                   |
| Density                                 | DIN EN ISO 1183-1       | g / cm <sup>3</sup>  | 1,06              |
| Flammability                            | UL 94                   |                      | HB                |
| Moisture Absorption (23°C, 50% RH)      | DIN EN ISO 62           | %                    | 0,06              |
| <b>Mechanical properties</b>            |                         |                      |                   |
| Yield stress                            | DIN EN ISO 527          | MPa                  | 30                |
| Elongation at break                     | DIN EN ISO 527          | %                    | >50               |
| Tensile modulus of elasticity           | DIN EN ISO 527          | MPa                  | 1500              |
| Notched impact strength                 | ISO 179-1/1eA           | kJ / m <sup>2</sup>  | 17                |
| Shore hardness                          | DIN EN ISO 868          | scale D              | 78                |
| Ball indentation hardness (H358/30)     | DIN EN ISO 2039-1       | MPa                  | 70                |
| <b>Thermal properties</b>               |                         |                      |                   |
| Coefficient of linear thermal expansion | DIN 53752               | 10 <sup>-6</sup> / K | 70 - 90           |
| Vicat softening temperature             | DIN EN ISO 306, Vicat B | °C                   | 115               |
| <b>Electrical properties</b>            |                         |                      |                   |
| Dielectric constant                     | IEC 60250               |                      | 2,7               |
| Volume resistivity                      | DIN EN 62631-3-1        | Ω * cm               | 10 <sup>15</sup>  |
| Surface resistivity                     | DIN EN 62631-3-2        | Ω                    | >10 <sup>15</sup> |

The data stated above are average values ascertained by statistical tests on a regular basis. They are in accordance with DIN EN 15860. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.