

## Technical Data Sheet

### Robaseal® S

#### Product characteristics

- Excellent dry-running properties
- Low thermal expansion
- Excellent sliding properties even at higher load

#### Product applications

- Pulp- & Paper industry
- Suction roll / sealing strip and end deckles

|                                         | Test method                 | Unit                 | Guideline Value |
|-----------------------------------------|-----------------------------|----------------------|-----------------|
| <b>General properties</b>               |                             |                      |                 |
| Density                                 | DIN EN ISO 1183-1           | g / cm <sup>3</sup>  | 1,54            |
| Water absorption                        | DIN EN ISO 62               | %                    | 0,05            |
| Coefficient of friction (against steel) | internal method: 2m/s; 1MPa | -                    | 0,11            |
| <b>Mechanical properties</b>            |                             |                      |                 |
| Elongation at break                     | DIN EN ISO 527              | %                    | 0,26            |
| Tensile modulus of elasticity           | DIN EN ISO 527              | MPa                  | 13,500          |
| Tensile strength                        | DIN EN ISO 527              | MPa                  | 43              |
| Shore hardness                          | DIN EN ISO 868 / 15 sec     | scale D              | 65              |
| Flexural Strength                       |                             | MPa                  | 71              |
| <b>Thermal properties</b>               |                             |                      |                 |
| Thermal conductivity                    | DIN 52612-1                 | W / (m * K)          | 2,13            |
| Coefficient of linear thermal expansion | DIN 53752                   | 10 <sup>-6</sup> / K | 25              |
| Service temperature, long term          | Average                     | °C                   | 140             |

The data given are standard values which are based on our experience & previous technical studies. These values are influenced by the design, processing conditions and environmental influences out of our control. The sustainability of the material for a given application is the responsibility of the user. Typing and printing errors reserved.