

## Technical Data Sheet

### Robaseal® L

PE-UHMW / PE 1000

#### Typical characteristics

- Limited dry-running properties
- Good sliding properties

#### Typical industries

- Paper Industry

|                                         | Test method                 | Unit                 | Guideline value                      |
|-----------------------------------------|-----------------------------|----------------------|--------------------------------------|
| <b>General properties</b>               |                             |                      |                                      |
| Density                                 | DIN EN ISO 1183-1           | g / cm <sup>3</sup>  | 1,25                                 |
| Water absorption                        | DIN EN ISO 62               | %                    | 0,05                                 |
| Approval                                |                             |                      | recommended operation time < 2 years |
| Coefficient of friction (against steel) | internal method: 2m/s; 1MPa | -                    | 0,165                                |
| <b>Mechanical properties</b>            |                             |                      |                                      |
| Elongation at break                     | DIN EN ISO 527              | %                    | 5                                    |
| Tensile modulus of elasticity           | DIN EN ISO 527              | MPa                  | 1.400                                |
| Tensile strength                        | DIN EN ISO 527              | MPa                  | 15                                   |
| Shore hardness                          | DIN EN ISO 868 / 15 sec     | scale D              | 65                                   |
| Flexural Strength                       |                             | MPa                  | 24                                   |
| <b>Thermal properties</b>               |                             |                      |                                      |
| Thermal conductivity                    | DIN 52612-1                 | W / (m * K)          | -                                    |
| Coefficient of linear thermal expansion | DIN 53752                   | 10 <sup>-6</sup> / K | 115                                  |
| Service temperature, long term          | Average                     | °C                   | 100                                  |

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.

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