

## Technical Data Sheet

## Sustaglide® black

PA 6 G

### Typical characteristics

- Buenas propiedades de deslizamiento
- Muy buena resistencia a la abrasión y al desgaste.
- Alta dureza
- Alta rigidez

### Typical industries

- Construcción de máquinas e instalaciones
- Industria alimentaria

|                                         | Test method                 | Unit                 | Guideline value |
|-----------------------------------------|-----------------------------|----------------------|-----------------|
| <b>General properties</b>               |                             |                      |                 |
| Density                                 | DIN EN ISO 1183-1           | g / cm <sup>3</sup>  | 1,14            |
| Water absorption                        | DIN EN ISO 62               | %                    | 2,0             |
| Flammability (Thickness 3 mm / 6 mm)    | UL 94                       |                      | HB / HB         |
| <b>Mechanical properties</b>            |                             |                      |                 |
| Yield stress                            | DIN EN ISO 527              | MPa                  | 75              |
| Elongation at break                     | DIN EN ISO 527              | %                    | 35              |
| Tensile modulus of elasticity           | DIN EN ISO 527              | MPa                  | 3400            |
| Notched impact strength                 | DIN EN ISO 179              | kJ / m <sup>2</sup>  | 3,5             |
| Shore hardness                          | DIN EN ISO 868              | scale D              | 81              |
| <b>Thermal properties</b>               |                             |                      |                 |
| Melting temperature                     | ISO 11357-3                 | °C                   | 215             |
| Thermal conductivity                    | DIN 52612-1                 | W / (m * K)          | 0,25            |
| Thermal capacity                        | DIN 52612                   | kJ / (kg * K)        | 1,70            |
| Coefficient of linear thermal expansion | DIN 53752                   | 10 <sup>-6</sup> / K | 80              |
| Service temperature, long term          | Average                     | °C                   | -40...110       |
| Service temperature, short term (max.)  | Average                     | °C                   | 160             |
| Heat deflection temperature             | DIN EN ISO 75, Verf. A, HDT | °C                   | 90              |

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