

# HabiPLAST™ Material Data Sheet

## Habiflour PTFE+GF25 for machined parts



### Material description

- Chemical resistant
- 25% Glass fiber reinforced/li>

### Material properties

General	Nominal value
Code	PTFE-W-G4 (GF25)
Color	white
Density	2.20 - 2.26 g/cm <sup>3</sup>
Thermal	Nominal value
Temperature range	-200°C to +260°C
Coeff. of linear thermal expansion a	0.08 - 0.11 mm/(m•K)
Electrical	Nominal value
Volume resistivity	>10 <sup>15</sup> Ohm•cm
Surface resistivity	>10 <sup>15</sup> Ohm
Mechanical	Nominal value
Tensile modulus	≥ 600 MPa
Tensile strength (ultimate)	≥ 17 Mpa
Tensile elongation (break)	≥ 230%
Hardness Shore D	≥ 60

### Coefficient of friction

Product	Friction (-)
Steel	0.15 - 0.3

### Habasit support for design and calculation

To assist the layout and calculation of Habasit plastic modular belt conveyors, Habasit provides additional documentation and instruments on request.

- Engineering Guide with further complementary details to the design and calculation of conveyors.
- Calculation Program to analyze the dimensioning and acting forces of a planned conveyor design.

For further information or additional documentation please contact Habasit.



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