

HabiPLAST™ Material Data Sheet

Habiflour PTFE for machined parts



Material description

- Chemical resistant
- Food contact approved material available on request

Material properties

General	Nominal value
Code	PTFE-W PTFE-W+FG
Color	white
Density	2.14 - 2.18 g/cm ³
Thermal	Nominal value
Temperature range	-200°C to +260°C
Coeff. of linear thermal expansion a	0.12 - 0.13 mm/(m•K)
Electrical	Nominal value
Volume resistivity	>10 ¹⁸ Ohm•cm
Surface resistivity	>10 ¹⁷ Ohm
Mechanical	Nominal value
Compressive strength at 1% deformation	4 - 5 MPa
Tensile strength (ultimate)	≥24 Mpa
Tensile elongation (break)	≥250%
Hardness Shore D	≥51

Coefficient of friction

Product	Friction (-)
Steel	0.06

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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