

HabiPLAST™ Material Data Sheet

Habital POM for machined parts



Material description

- Polyacetal copolymer
- Good sliding and wear properties
- Good resistance to fuels, oil and grease
- EU/FDA food grade available on request

Material properties

General	Nominal value
Code	POMC-W POMC-W+FG
Color	natural white
Density	1.41 g/cm ³
Water absorption 42h / 96h (23°C)	0.24% / 0.45%
Water absorption at 23°C, 50% rel H	0.2%
Water absorption at 23°C, in water	0.8%
Thermal	Nominal value
Temperature range	Dry: -50°C to +100°C Wet: -50°C to +60°C
Coeff. of linear thermal expansion a	0.12 mm/(m•K)
Thermal conductivity	0.31 W/(m•K)
Electrical	Nominal value
Volume resistivity	10 ¹⁴ Ohm•cm
Surface resistivity	10 ¹³ Ohm
Mechanical	Nominal value
Tensile modulus	2800 MPa
Tensile strength (ultimate)	66 Mpa
Tensile elongation (break)	50%
Ball indentation hardness	140 MPa

Coefficient of friction

Product	Friction (-)
HabasitLINK PE	0.23

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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