

HabiPLAST™ Material Data Sheet

PE03 for machined parts



Material description

- Good damping properties
- Resistant against cleaning agents typically used in food applications
- Not resistant against UV-Light

コード	Property
PE03-B	

Material properties

General	Nominal value
Code	PE03-W PE03-G PE03-B
Color	natural white green black
Density	0.95 g/cm ³
Thermal	Nominal value
Temperature range	-70°C to +65°C
Coeff. of linear thermal expansion a	0.20 mm/(m•K)
Electrical	Nominal value
Volume resistivity	10 ¹⁶ Ohm•cm
Surface resistivity	10 ¹³ Ohm
Mechanical	Nominal value
Tensile modulus	1300 MPa
Tensile strength (yield)	23 Mpa
Tensile elongation (break)	≥50%
Charpy notched impact resistance	≥105 mJ/mm ²

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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