

# HabiPLAST™ Material Data Sheet

## Habilene PP white for machined parts



### Material description

- Excellent chemical resistance to acids and alkalines
- Not resistant against UV-Light

### Material properties

General	Nominal value
Code	PP-W
Color	natural white
Density	0.905 g/cm <sup>3</sup>
Water absorption	< 0.01 %
Thermal	Nominal value
Temperature range	-18°C to +105°C
Coeff. of linear thermal expansion a	0.16 mm/(m•K)
Electrical	Nominal value
Volume resistivity	10 <sup>14</sup> Ohm•cm
Surface resistivity	10 <sup>14</sup> Ohm
Mechanical	Nominal value
Tensile modulus	1400 MPa
Tensile strength (ultimate)	32 Mpa
Tensile elongation (brake)	8%
Charpy notched impact resistance	7 kJ/m <sup>2</sup>
Ball hardness	70 MPa

### 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.



### Disclaimer

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