

Material description

- Regenerated Ultra High Molecular Weight Polyethylene (PEUHMW)
- Good wear and friction properties with POM and PP belts or chains
- Resistant against cleaning agents

Material properties

Nominal value
PE10-B+RC
black
~0.94 g/cm ³
~1 - 4 • 10 ⁶ g/mol
< 0.01 %
Nominal value
-70°C to +65°C
~0.20 mm/(m•K)
Nominal value
-
-
Nominal value
≥600 MPa
≥17 MPa
≥200%
No break
≥80 kJ/m²
~38 N/mm ²

Coefficient of friction and wear rate

Belt / Chain	Friction (-)
HabasitLINK® POM	~0.24
HabasitLINK® PP	~0.24
HabasitLINK® PA	~0.32
HabaCHAIN® DP	~0.27
HabaCHAIN® LF	~0.22
HabaCHAIN® PT	~0.25
HabaCHAIN® TS	~0.23
HabaCHAIN® NG	~0.24

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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