# HabiPLAST™ Material Data Sheet PE10+AR antistatic, regenerated for tracks and machined parts



## **Material description**

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

コード	Property
PE10-B+AR	

# **Material properties**

PE10-B+AR	
black	
~0.94 g/cm <sup>3</sup>	
~1 - 4 • 10 <sup>6</sup> g/mol	
<0.01 %	
Nominal value	
-70°C to +65°C	
0.20 mm/(m•K)	
Nominal value	
10 <sup>7</sup> Ohm∙cm	
10º Ohm	
Nominal value	
≥600 MPa	
≥17 MPa	
≥200%	
≥80 kJ/m²	
~38 N/mm²	

# Coefficient of friction and wear rate

Belt / Chain	Friction (-)
HabasitLINK® POM	~0.23
HabasitLINK® PP	~0.23
HabasitLINK® PA	~0.31
HabaCHAIN® DP	~0.26
HabaCHAIN® LF	~0.22
HabaCHAIN® PT	~0.25
HabaCHAIN® TS	~0.22
HabaCHAIN® NG	~0.24

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## 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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