

HabaCHAIN® Material Data Sheet

Extra low-friction Polybutyleneterephthalate NG



Material description

- Low coefficient of friction
- Low wear rate
- Reduced belt lengthening
- Suitable for dry and wet running at high speed
- High strength and good fatigue resistance
- Broad temperature range
- Good chemical resistance

Code	Material	Property	Density	Temperature range	Habasit colors
			g/cm ³		
NG	Extra low-friction Polybutyleneterephthalate (PBT)	Extra low friction material with good strength and very good abrasion resistance. Suitable for high speed, dry running applications	1.32	Wet conditions: -40°C to +60°C -40°F to +140°F Dry conditions: -40°C to +130°C (short term +150°C) -40°F to +266°F (short term +302°F)	gray
Thermal expansion			mm/m*°C	in/ft*°F	
Coeff. of linear thermal expansion α			0.12	0.00078	

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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