

HabasisLINK® Material Data Sheet

Flame retardant Polybutylenterephthalat (PBT+FR)



Material description

- Flame retardant material (UL94 V0 at 1.6 mm), material will not sustain a flame
- Long-term heat resistant up to 120°C / 248 °F (UL 746B)
- Excellent stiffness and hardness
- Good friction and wear properties

Code	Material	Property	Density	Temperature range	Habasis colors
			g/cm ³		
PBT + FR	Flame retardant Polybutylenterephthalat	Thermoplastic material with excellent stiffness and hardness. Suitable for conveying applications with special demand on low-flammability. Material has good friction and wear properties by showing a good dynamic long term behavior.	1.47	Wet conditions: -40°C to +50°C -40°F to +122°F Dry conditions: -40°C to +120°C -40°F to +248°F	green dark-grey

Thermal expansion	mm/m*°C	in/ft*°F
Coeff. of linear thermal expansion α	0.12	0.00078

Habasis support for design and calculation

To assist the layout and calculation of Habasis plastic modular belt conveyors, Habasis 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 Habasis.

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