

HabasitLINK® Material Data Sheet

Polyethylene



Material description

- Very tough and impact resistant
- Suitable for very low temperatures
- Good chemical resistance
- Limited resistance against oil and fat
- EU and FDA food contact, colors and details see Declaration of Compliance (DoC) on www.Habasit.com
- Flammability typically classified as UL94 HB

Code	Material	Property	Density	Temperature range	Habasit colors
PE	Polyethylene	Thermoplastic material well suited for very low temperatures and/or high impact applications. Excellent chemical resistance to acids and alkalines. Not suitable for abrasive applications * Below -40°C (-40°F), thermal belt shrinkage requires a sprocket pitch diameter adaptation	0.94	Wet conditions: -70°C to +65°C -94°F to +150°F	natural-white black

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Thermal expansion	mm/m*°C	in/ft*°F
Coeff. of linear thermal expansion α	0.20	0.00133

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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