

HabasisLINK® Material Data Sheet

Detectable Polyethylene PE+DE



Material description

- Developed especially for food applications
- Very well detectable with metal detectors
- Well detectable with X-ray detectors
- Tough, nearly unbreakable behavior
- Suitable for low temperatures
- Blue color to have a good color distance to natural food stuff
- EU and FDA food contact, colors and details see Declaration of Compliance (DoC) on www.Habasis.com

Code	Material	Property	Density	Temperature range	Habasis colors
			g/cm ³		
PE+DE	Detectable Polyethylene	Thermoplastic material with a special additive, which makes the material very well detectable. Well suitable for low temperature and/or high impact applications. Excellent chemical resistance to acids and alkalines.	1.15	-70°C to +65°C -94°F to +150°F	blue gray

Below -40°C (-40°F), thermal belt shrinkage requires a sprocket pitch diameter adaptation

Thermal expansion	mm/m*°C	in/ft*°F
Coeff. of linear thermal expansion α	0.13	0.00087

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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