

# HabasisLINK® Material Data Sheet

## Impact resistant Polyamide PA+IM



### Material description

- Tough and highly impact resistant
- Good strength and fatigue resistance
- Not recommend for cutting applications in the meat industry
- In wet applications dimension change needs to be considered
- EU and FDA food contact, colors and details see Declaration of Compliance (DoC) on [www.Habasis.com](http://www.Habasis.com)

Code	Material	Property	Density	Temperature range	Habasis colors
			g/cm <sup>3</sup>		
PA + IM	Impact resistant Polyamide	Tough thermoplastic material with good strength and fatigue resistance. Suitable for heavy conveying applications with high impact load. The belt properties and dimension change with moisture absorption. The material can replace impact resistant acetal in impact intensive applications, but is more susceptible to cuts.	1.08	Wet conditions: -46°C to +60°C -50°F to +140°F Dry conditions: -46°C to +80°C -50°F to +176°F	cream

Thermal expansion	mm/m*°C	in/ft*°F
Coeff. of linear thermal expansion $\alpha$	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.

### Disclaimer

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