

# HabasitLINK® Material Data Sheet

## Food contact approved, UL94 V2 flame retardant PA+FRF



### Material description

- Low flammability UL94 V2
- Low moisture absorption, low dimension change
- Good strength and fatigue resistance
- EU and FDA food contact, colors and details see Declaration of Compliance (DoC) on [www.Habasit.com](http://www.Habasit.com)

コード	Material	Property	Temperature range	Habasit colors
PA+FRF	Food contact approved, flame retardant Polyamide (Nylon)	Thermoplastic material with good dimension stability, low moisture absorption and low flammability UL94 V2. The material has a good strength and fatigue resistance.	Wet Conditions: -46°C to +60°C -51°F to +140°F  Dry conditions: -46°C to +90°C (short-term +120°C) -51°F to +194°F (short-term +248°F)	ブルー

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

### Standard range of belt width

Belt width is in the range of 0.2% to 0.4% different from the nominal belt width.

### Sprocket material

Standard PA sprockets can be used.

**The nominal tensile strength** is valid for 23 °C (73 °F). The admissible tensile force is dependent on the operating temperature near the drive sprockets. Within the temperature range allowed, the admissible tensile force may vary from 100 % to 20 % of the nominal tensile strength. For detailed information and correct calculation of effective tensile force refer to the Calculation Guide in the HabasitLINK® Engineering Guidelines.

### Chemical resistance

Like standard PA

### 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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