

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

Code	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)	blue

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

HabasitLINK® Material Data Sheet

Food contact approved, UL94 V2 flame retardant

PA+FRF



Disclaimer

Product Application Disclaimer (valid for ALL Habasit products and mentioned on all PDS)

This disclaimer is made by and on behalf of Habasit and its affiliated companies, directors, employees, agents and contractors (hereinafter collectively "HABASIT") with respect to the products referred to herein (the "Products"). SAFETY WARNINGS SHOULD BE READ CAREFULLY AND ANY RECOMMENDED SAFETY PRECAUTIONS BE FOLLOWED STRICTLY! Please refer to the Safety Warnings herein, in the Habasit catalogue as well as installation and operating manuals. All indications / information as to the application, use and performance of the Products are recommendations provided with due diligence and care, but no representations or warranties of any kind are made as to their completeness, accuracy or suitability for a particular purpose. The data provided herein are based on laboratory application with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experience may lead to re-assessments and modifications within a short period of time and without prior notice.

EXCEPT AS EXPLICITLY WARRANTED BY HABASIT, WHICH WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, THE PRODUCTS ARE PROVIDED "AS IS". HABASIT DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE, ALL OF WHICH ARE HEREBY EXCLUDED TO THE EXTENT ALLOWED BY APPLICABLE LAW. BECAUSE CONDITIONS OF USE IN INDUSTRIAL APPLICATION ARE OUTSIDE OF HABASIT'S CONTROL, HABASIT DOES NOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS, INCLUDING INDICATIONS ON PROCESS RESULTS AND OUTPUT.