HabasitLINK® Material Data Sheet
Detectable Polyamide (Nylon) PA+DE

Material description

- Developed for food applications where the plastic needs to be detectable
- Very well detectable with metal detector, good detectability with X-rays
- Good mechanical properties
- In wet conditions, dimensions change up to 2%
- EU and FDA food contact, colors and details see Declaration of Compliance (DoC) on www.Habasit.com

Code	Material	Property	Density	Temperature range	Color
			g/cm³		
PA+DE	Detectable Polyamide (Nylon)	Thermoplastic material with a special additive, which makes the material very well detectable (metal detectors and X-rays). Mainly foreseen as rod material in detectable belts. Material is very wear and fatigue resistant.	1.25	Dry conditions: -46°C to +90°C (short-term +120°C) *-51°F to +194°F (short-term +248°F)* Wet Conditions: Not recommended	Azul

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

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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