# 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 | 顏色 |
|---|---|---|---|---|---|
| | | | 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 | 藍色 |

| **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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