

# HabasitLINK® Material Data Sheet

## Reinforced heat stabilized Polyamide PA+HT



### Material description

- Specially heat stabilized
- Flammability UL94 HB
- High strength and stiffness due to reinforcement
- Good fatigue properties

| Code  | Material             | Property  | Density           | Temperature range   | Habasit colors |
|-------|----------------------|---|-------------------|---|----------------|
|       |                      |   | g/cm <sup>3</sup> |   |                |
| PA+HT | Reinforced Polyamide | Reinforced, lubricated, thermoplastic material with very high strength and toughness. Suitable for heavy conveying applications at dry conditions and elevated temperatures. Material is specially modified to keep its good properties stable over a long time at elevated temperatures. | 1.37              | Dry conditions:<br>0°C to +170°C<br>(short-term +200°C)<br>-32°F to +338°F<br>(short-term +293°F)<br>Wet Conditions:<br>Not recommended | black          |

| Thermal expansion                           | mm/m*°C | in/ft*°F |
|---|---------|----------|
| Coeff. of linear thermal expansion $\alpha$ | 0.08    | 0.00053  |

### 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.

### Disclaimer

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