

# HabasisLINK® Material Data Sheet

## Flame retardant and antistatic Polypropylene

### PP+FR



#### Material description

- Developed especially for automotive applications
- Burning behavior classified as Cfl-S1 according DIN EN 13501 (comparable to former DIN 4102 B1)
- Antistatic surface helps to reduce charge up and dust accumulation on the running conveyor belt
- Low wear on plastic belt support
- Low smoke density
- Halogen free and RoHS conform
- No limitations regarding recycling or incineration

| Code  | Material                                     | Property  | Density           | Temperature range                | Habasis colors              |
|-------|--|---|-------------------|----------------------------------|-----------------------------|
|       |  |   | g/cm <sup>3</sup> |                                  |                             |
| PP+FR | Flame retardant and antistatic Polypropylene | Thermoplastic material with a combination of a reduced electrical surface resistance and very good flame retardant properties. High impact below 10°C (50°F) must be avoided. The raw material is classified as UL94-V0, the final belt is classified according DIN 4102 or the newer DIN EN 13501. | 1.05              | 5°C to +105°C<br>+40°F to +220°F | white<br>dark-grey<br>black |

| Thermal expansion                           | mm/m*°C | in/ft*°F |
|---|---------|----------|
| Coeff. of linear thermal expansion $\alpha$ | 0.13    | 0.00087  |

#### Habasis support for design and calculation

For assisting the lay out and calculation of Habasis Modular Belt conveyors, Habasis provides on request the following additional Documentation and instruments:

- **Engineering Guidelines** 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 any further question and additional documentation requested please contact Habasis.

#### Disclaimer

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