

# HabasitLINK® Material Data Sheet

## Wear, Hydrolysis and Impact resistant Polyketone (WHI)



### Material description

- Extraordinary wear and impact resistance
- Very good hydrolysis resistance
- Good chemical resistance
- Good strength and fatigue resistance
- Low moisture absorption
- Noise damping
- EU and FDA food contact, colors and details see Declaration of Compliance (DoC) on [www.Habasit.com](http://www.Habasit.com)

| Code | Material                                         | Property                                                                                                                                                                 | Temperature range                                                                                             | Colors        |
|------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------|
| WHI  | Wear, Hydrolysis and Impact resistant Polyketone | Thermoplastic material with very good wear and impact resistance, good hydrolysis and chemical resistance. Low moisture absorption and suitable for direct food contact. | Wet conditions:<br>-50°C to +80°C<br>-58°F to +176°F<br>Dry conditions:<br>-50°C to +110°C<br>-58°F to +230°F | Blue<br>White |

### Belt properties

| Thermal expansion                           | mm/m*°C | in/ft*°F |
|---------------------------------------------|---------|----------|
| Coeff. of linear thermal expansion $\alpha$ | 0.10    | 0.0007   |

### 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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