

# HabasitLINK® Material Data Sheet

## Wear resistant Polyoxymethylene (Acetal)

### POM+PK



#### Material description

- Developed for demanding applications in the automotive industry
- Very high wear and abrasion resistance
- High fatigue resistance
- Low coefficient of friction

Code	Material	Property	Density	Temperature range	Habasit colors
			g/cm <sup>3</sup>		
POM+PK	Wear resistant Polyoxymethylene	Extra wear resistant thermoplastic material with high strength, low coefficient of friction and very good fatigue resistance. Good chemical resistance to oil and alkalines, but not suitable for long-term contact with high concentration of acids.	1.42	Wet conditions: -40°C to +60°C -40°F to +140°F Dry conditions: -40°C to +93°C -40°F to +200°F	black dark-grey

Thermal expansion	mm/m*°C	in/ft**°F
Coeff. of linear thermal expansion $\alpha$	0.09	0.0006

#### Sprocket material

Application	Rod material	Sprocket material
dry, abrasive, medium load	PA	PA or TPU
dry, abrasive, high load	PA or Steel	PA or Steel
wet, abrasive, medium load	PA <sup>1)</sup>	PA or TPU
wet, abrasive, high load	PA <sup>1)</sup> or Steel	PA or Steel

1) Dimension change needs to be considered

#### 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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