

HabaCHAIN® Material Data Sheet

Low friction Polyoxymethylene (Acetal) PT



Material description

- Silicon free, self-lubricating material for beverage and canning applications
- Low friction against conveyed goods
- Low dusting for smooth and clean product handling
- Very scratch and wear resistant surface
- Good resistance against lubricants and cleaning agents

Code	Material	Property	Density	Temperature range	Colors
			g/cm ³		
PT	Low friction Polyoxymethylene (Acetal)	Low-friction POM (Acetal). The material shows low coefficient of friction against conveyed goods, high strength and good abrasion resistance. Suitable for high speed applications with reduced lubrication.	1.43	Wet conditions: -40°C to +60°C -40°F to +140°F Dry conditions: -40°C to +93°C -40°F to +200°F	Gray-brown White

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

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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