

# HabaCHAIN® Material Data Sheet

## Detectable Polyoxymethylene (Acetal) DE



### Material description

- Developed for food applications where the plastic needs to be detectable
- Very well detectable with metal and X-ray detector
- Good mechanical properties
- Low friction values
- Improved impact resistance
- EU and FDA food compliance, see Food Certificates – DoC on [www.Habasit.com](http://www.Habasit.com)

Code	Material	Property	Density	Temperature range	Habasit colors
			g/cm <sup>3</sup>		
DE	Detectable Polyoxymethylene (Acetal)	POM (Acetal) with a special additive, which makes the material very well detectable (metal detectors). The material has a good chemical resistance against oil and alkalines, but is not suitable for long term contact with high concentration of acids and chlorine.	1.58	Wet conditions: -40°C to +60°C -40°F to +140°F Dry conditions: -40°C to +90°C -40°F to +195°F	blue

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

### Disclaimer

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