

# HabaCHAIN® Material Data Sheet

## Low friction Polyoxymethylene (Acetal) LF



### Material description

- Self-lubricating material for beverage and canning applications
- Low friction against accumulated products and wear strip
- Low dusting for smooth and clean product handling
- Very scratch and wear resistant surface
- Good resistance against lubricants and cleaning agents
- EU and FDA food contact, colors and details see Declaration of Compliance (DoC) on [www.Habasit.com](http://www.Habasit.com)

| Code | Material                               | Property                                                                                                                                | Density<br>g/cm³ | Temperature range                                                                                            | Kolor                             |
|------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------|
| LF   | Low friction Polyoxymethylene (Acetal) | Low-friction POM (Acetal) with high strength and good abrasion resistance. Suitable for high speed applications. Food contact approved. | 1.42             | Wet conditions:<br>-40°C to +60°C<br>-40°F to +140°F<br>Dry conditions:<br>-40°C to +93°C<br>-40°F to +200°F | Light brown<br>Biały<br>Niebieski |

| 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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