Material Properties
Standard Belt Materials

Material	Code	Description	Food [1] approv.	Density g/cm³	Temperature range
Polypropylene	PP	Thermoplastic material with good cost/ performance relation (material for most of the common conveying applications). Excellent chemical resistance to acids and alkalines. * High impacts below 10 °C (50 °F) must be avoided.	EU FDA	0.9	+5 °C to +105 °C (*) *+40 °F to +220 °F (*)*
Polyethylene	PE	Thermoplastic material well suited for very low temperatures and/or high impact applications. Excellent chemical resistance to acids and alkalines. Not suitable for abrasive applications. * Below -40 °C (-40 °F), thermal belt shrinkage requires a sprocket pitch diameter adaptation.	EU FDA	0.94	-70 °C to +65 °C (*) *-94 °F to +150 °F (*)*
Polyoxymethylene (Acetal)	POM	Thermoplastic material with high strength and low coefficient of friction. Impact and cut resistant surface. Suitable for heavy duty applications and low temperatures. Good chemical resistance to oil and alkalines, but not suitable for long-term contact with high concentration of acids and chlorine.	EU FDA	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*
Polyamide (Nylon for US market)	PA Code add. +US PA 66	Thermoplastic material with high strength and abrasion resistance. Suitable for heavy duty applications at dry conditions and elevated temperatures. Material is modified to keep its good properties stable over a long time at elevated temperatures.	FDA	1.14	wet conditions: not recommended dry conditions : -46 °C to +118 °C (short-term +135 °C) *-50 °F to +245 °F* *(short-term +275 °F)*
Polyamide (Nylon)	PA	Thermoplastic material with high strength and abrasion resistance. Suitable for heavy duty applications at dry conditions and elevated temperatures. Material is specially modified to keep its good properties stable over a long time at elevated temperatures.	EU	1.14	wet conditions: not recommended dry conditions: -46 °C to +130 °C (short-term +160 °C) *-50 °F to +266 °F* *(short-term +320 °F)*

[1] The Food approval statement refers to the HabasitLINK product range.
For detailed food approval, please contact Habasit.