

Material Properties

Special Belt Materials (Cont.)

Material	Code	Description	Food ¹ approv.	Density g/cm ³	Temperature range
Impact and cut resistant Polyoxymethylene (Acetal)	POM Code add. +IM	Thermoplastic material with advanced impact and cut resistant surface. Suitable for meat cutting conveyors and high impact applications. 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
Fatigue resistant Polyoxymethylene (Acetal)	POM Code add. +JM	Thermoplastic material with high strength, low coefficient of friction and improved fatigue resistance. 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
Low friction Polyoxymethylene (Acetal)	POM L	Thermoplastic material with high strength and low coefficient of friction (low friction grade self-lubricating additives). 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.	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
Low friction Polyoxamethylene (Acetal)	POM Code add. +LF	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
Wear resistant Polyoxymethylene (Polyacetal)	POM Code add. +PK	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 and chlorine.		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
Ultra low friction Polyoxymethylene (Acetal)	POM U	Thermoplastic material with high strength and low coefficient of friction (ultra low friction grade self-lubricating additives). 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.	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

¹ The Food approval statement refers to the HabasitLINK product range.

For detailed food approval, please contact Habasit.