

# Material Properties

## Special Belt Materials

Material	Code	Description	Food <sup>1)</sup> approv.	Density g/cm <sup>3</sup>	Temperature range
Antistatic Polypropylene	PP Code add. +AS	Thermoplastic material with reduced electrical surface resistance to reduce dust accumulation and belt charge-up. * High impacts below 10 °C (50 °F) must be avoided		0.9	wet conditions: not recommended  dry conditions: +5 °C to +105 °C (*) +40 °F to +220 °F (*)
Detectable Polypropylene	PP Code add. +DE	Thermoplastic material with a special additive which makes the material very well detectable (X-ray and metal detectors). Excellent chemical resistance to alkalines. * High impacts below 10 °C (50 °F) must be avoided.	EU FDA	0.95	+5 °C to +105 °C (*) +40 °F to +220 °F (*)
Electrically conductive Polypropylene	PP Code add. +EC	Thermoplastic material with a low electrical surface and volume resistance. Electrical surface resistance below 50'000 Ohm/sq (DIN/EN 1637). Good cost/performance relationship. Excellent chemical resistance to acids and alkalines. Electrical resistance fulfills the DIN EN 61340 for ESD safety areas. * High impacts below 10 °C (50 °F) must be avoided.		1.02	+5 °C to +105 °C (*) +40 °F to +220 °F (*)
Electrically conductive and flame-retardant Polypropylene	PP Code add. +FC	Thermoplastic material with a combination of low electrical resistance and very good flame retardant properties. Electrical surface resistance below 50'000 Ohm/sq (DIN EN 1637). Electrical resistance fulfills the DIN EN 61340 for ESD safety areas. Flammability classification according DIN EN 13501, which is requested from the automotive industry. * High impacts below 10 °C (50 °F) must be avoided.		1.32	+5 °C to +80 °C (*) +40 °F to +176 °F (*)
Flame retardant Polypropylene	PP Code add. +FR	Flame retardant thermoplastic material for most of the common conveying applications with special demand on low-flammability. Good chemical resistance to acids and alkalines. Flammability classification according DIN EN 13501, which is requested from the automotive industry. * High impacts below 10 °C (50 °F) must be avoided. Flammability UL94 V0, ISO-340.		1.05	+5 °C to +105 °C (*) +40 °F to +220 °F (*)
Submersible Polypropylene	PP Code add. +GR	Thermoplastic material with a density which allows that the material sinks in water. It has a good chemical and hot water resistance which allows a continuous use in boiling water. * High impacts below 10 °C (50 °F) must be avoided. For the detailed chemical resistance please contact Habasit	EU FDA	1.24	+ 5°C to + 105°C (*) +40°F to + 220°F (*)

<sup>1)</sup> The Food approval statement refers to the HabasitLINK product range.

For detailed food approval, please contact Habasit.