



MATERIAL GUIDE

STANDARD MATERIALS

	Characteristics	Materials Approved by	Temperature range	
Polypropylene (PP)	Standard material for most conveying applications. Excellent chemical resistance.	FDA	+5°C to +80°C	
Polyethylene (PE)	For low temperature applications, good resistance to impact. Excellent chemical resistance. Not recommended for abrasive applications.	FDA	-70°C to +60°C	
Acetal (AC)	Low friction coefficient, high traction force for heavy load applications. Low chemical resistance.	FDA	Dry conditions -38°C to +90°C	Wet conditions -35°C to +60°C

SPECIAL MATERIALS

	Characteristics	Materials Approved by	Temperature range	
Polyamide 6 (PA6)	High traction force for heavy loads and abrasive applications. Do not use in humid conditions.	FDA	Dry conditions -35°C to +120°C	Wet conditions Do not use
Polyamide 6.6 (PA6.6)	High traction force for heavy loads and abrasive applications. Do not use in humid conditions.	FDA	Dry conditions -35°C to +120°C	Wet conditions Do not use
Antistatic acetal (AC-AS)	Dramatically reduces the electrostatic charge Low friction coefficient, high traction force for heavy loads applications. Low chemical resistance.	-	Dry conditions -38°C to +80°C	Wet conditions Do not use
Detectable acetal (AC-DB)	For X-ray applications, metal detectors.	-	Dry conditions: -35°C to +90°C	
Detectable polypropylene (PP-DB)	For X-ray applications, metal detectors.	-	+5°C to +108°C	
High temperature polypropylene (PPH)	High chemical and thermal resistance.	FDA	+5°C to +108°C	
Acetal (AC LF)	Very low friction coefficient, high traction force for heavy loads applications. Low chemical resistance.	FDA	-35°C to +90°C	