

800 - Cable Ties, Nylon

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Cable Ties for Food Industry, Detectable, Reusable

The metal detectable nylon cable tie is specifically designed for use in the food and pharmacetical processing industries. A unique manufacturing process, invloving the inclusion of a metallic pigment, enables even small 'cut-off' sections of the tie to be detected by standard equipment. Ideally suited for the installation of cabling in and around the manufacturing process. The cable ties do have a releasable function thus they can be reopened and reused.

• Features and benefits

Total metal dispersion throughout the tie. Can be reopened and reused. Supports quality processes around the production of food stuffs. Blue colour most common for easy visual Greatly reduces risk of contamination Magnetic detectable (detection level depending on specific application).

• Information

Can support quality assiurance in the production of food stuffs, for example HACCP.



All dimensions in m

Туре	Width (W)	Length(L)	Bundle ø max	З С З	Material	Colour	Pack Cont.
Nylon Reusable 250x4.8mm	4.6	250.0	65.0	225	PA66MP	Blue (BU)	100pcs





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Material Specification Overview

Material	Material shortcut	Operating temperature	Colour	Flammabili ty	Material properties*	Material specificatio
Aluminium alloy	AL	-40°C to + 180°C	Natural (NA)		.Corrosion resistant. .Antimagnetic.	RoHS
Chloroprene rubber	CR	-20°C to + 80°C	Black (BK)		.Weather resistant. .High yield strength.	RoHS
Ethylene tetrafluoroethyl ene (Tefzel®)	E/TFE	-80°C to +170°C	Blue (BU)	UL 94 VO	Resistance to radioactivity. .UV resistant, not moisture sensitive. .Good chemical resistance to acids, bases, oxidizing agents.	RoHS
Polyacetal	РОМ	-40°C to +90°C (+110°C, 500h)	Natural (NA)	UL 94 HB	.Limited brittleness sensitivity. .Flexible at low temperatures. .Not moisutre sensitive. .Robust on impact	RoHS
Polyamide 11	PA11	-40°C to +85°C (+105°C, 500h)	Black (BK)	UL 94 HB	.Bio-plastic, derived from vegetable oil. .Strong impact resistance at low temperature. .Very low moisture absorption. .Weather resistant. .Good chemical resistance.	HF RoHS
Polyamide 12	PA12	-40°C to +85°C (+105°C, 500h)	Black (BK)	UL 94 HB	.Good chemical resistance to acids, bases, oxidizing agents. .UV resistant.	HF RoHS
Polyamide 4.6	PA46	-40°C to +130°C (+150°C, 5000h); +195°C, 500h	Natural (NA), Grey (GY)	UL 94 V2	.Resistance to high temperatures. .Very moisture sensitive. .Low smoke sensitivity.	HF LFH RoHS
Polyamide 6	PA6	-40°C to +80°C	Black (BK)	UL 94 V2	.High yield strength	RoHS
Polyamide 6 (high impact modified)	PA6HIR	-40°C to +80°C	Black (BK)	UL 94 HB	.Limited brittleness sensitivity. .Higher flexibility at low temperature.	RoHS
Polymide 6.6	PA66	-40°C to +85°C (+105°C, 500h)	Black (BK) Natural (NA)	UL 94 V2	.High yield strength	HF RoHS



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Polyamide 6.6 (glass-fibre reinforced)	PA66GF1 3	-40°C to +105°C (+105°C, 500h)	Black (BK)	UL 94 HB	.Good resistance to lubricants, fuels, salt water and solvents.	HF RoHS
Polyamide 6.6 (heat and UV- stabilised)	PA66HS UV	-40°C to +105°C (+105°C, 500h)	Black (BK)	UL 94 V2	.High yield strength. .Modified elevated maximum temperature. .UV resistany	HF RoHS

Material	Material shortcut	Operating temperature	Colour	Flammabili ty	Material properties*	Material specificatio ns
Polyamide 6.6 (heat stabilised)	PA66HS	-40°C to +105°C (+105°C, 500h)	Black (BK) Natural (NA)	UL 94 V2	.High yield strength. .Modified elevated maximum temperature.	HF RoHS
Polyamide 6.6 (heat stabilisedand UV-stabilised)	PA66HSH SUV	-40°C to +110°C	Black (BK)	UL 94 HB	.Limited brittleness sensitivity. .Higher flexibility at low temperature. .Modified elevated maximum temperature. .High yield strength, UV resistant.	RoHS
Polyamide 6.6 (high impact modified, high stabilised)	PA66HIRH S	-40°C to +105°C (+105°C, 500h)	Black (BK)	UL 94 HB	.Limited brittleness sensitivity. .Higher flexibility at low temperature. .Modified elevated maximum temperature.	RoHS
Polyamide 6.6 (high impact modified, scan black)	PA66HIR(S)	-40°C to +80°C (+105°C, 500h)	Black (BK)	UL 94 HB	.Limited brittleness sensitivity. .Higher flexibility at low temperature.	RoHS
Polyamide 6.6 (UV resistant)	PA66W	-40°C to +85°C (+105°C, 500h)	Black (BK)	UL 94 VS	.High yield strength. .UV resistant	HF RoHS
Polyamide 6.6 (with metal particles)	PA66MP	-40°C to +85°C (+105°C, 500h)	Blue (BU)	UL 94 HB	.High yield strength. .Metal and x-ray detectable	HF RoHS
Polyamide 6.6 (with metal particles)	PA66MP+	-40°C to +85°C	Blue (BU)	Not flame- retardant	.High yield strength. .Metal and x-ray detectable	HF RoHS
Polyamide 6.6 VO	PA66V0	-40°C to +85°C	White (WH)	UL 94 VO	.High yield strength. .Low smoke emission	HF LFH RoHS



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Polyester	SP	-50°C to +150°C	Black (BK)		.UV resistant. .Good chemical resistance to most acids, bases and oils.	HF LFH RoHS
Poly- etheretherketon e	PEEK	-5°C to +0°C	Beige (BGE)	UL 94 VO	Resistance to radioactivity. Not moisture sensitive. Good chemical resistance to cids, bases, oxidizing agents.	HF LFH RoHS
Polyethlene	PE	-40°C to +50°C	Black (BK) Natural (NA)	UL 94 HB	.Low moisture absorption. .Good chemical resistance to most acids, bases, alcohol, oils.	HF RoHS

Material	Material shortcut	Operating temperature	Colour	Flammabili ty	Material properties*	Material specificatio ns
Polyolefin	PO	-40°C to +90°C	Black (BK)	UL 94 VO	.Low smoke emissions	HF LFH RoHS
Polypropylene	qq	-40°C to +115°C	Black (BK) Natural (NA)	UL 94 HB	.Floats in water. .Moderate yield strength .Good chemical resistance to acids, bases and solvents.	HF RoHS
Polypropylene ethylene propylene diene terpolymer (rubber free of nitrosamine)	PP, EPDM	-20°C to +95°C	Black (BK)	UL 94 HB	.Good resistance to high temperature. .Good chemical and abrasion resistance.	HF RoHS
Polypropylene (with metal particles)	ΡΡΜΡ	-40°C to +115°C	Blue (BU)	UL 94 HB	.Metal and x-ray detectable. .Heat resistant. .Moderate yield strength .Good chemical resistance.	RoHS
Polypropylene (with metal particles)	PPMP+	-40°C to +85°C	Blue (BU)	Not flame- retardant	.High yield strength. .Metal and x-ray detectable.	HF RoHS



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Polyvinylchlorid e	PVC	-10°C to +70°C	Black (BK) Natural (NA)	UL 94 VO	.Low moisture absorption. .Good chemical resistance to acids,bases,salts,alc ohol,oils.	RoHS
Stainless steel	SS304,SS 316	-80°C to +538°C	Natural (NA)	Non burning	.Corrosion resistant. .Antimagnetic. .Weather resistant. .Chemical resistant. .SS316 also resistant against seawater, salt spray and anorganic acids.	HF LFH RoHS
Thermoplastic Polyurethane	TPU	-40°C to +85°C	Black (BK)	UL 94 HB	.High elasticity. .Good chemical resistance to acids, bases and oxidizing agents.	HF RoHS

*These details are only guide values. They should not be regarded as a exhaustive material specification and are no substitute for suitability tests.

HF = Halogen Free LFH = Limited Fire Hazard RoHS = Restriction of Hazardous Substances

ر الا = Minimum loop tensile strength for cable ties (newton)

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