

DETECTAMET

Technical Data Sheet

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800 Nylon Cable Ties



Technical Data Sheet Applicable To:

800-CT03-1229-X11	Cable Ties Nylon 250x4.5mm 100pcs
800-CT03-1230-X11	Cable Ties Nylon 280x4.5mm 100pcs
800-CT03-1232-X11	Cable Ties Nylon 140x3.5mm 100pcs
800-CT03-1233-X11	Cable Ties Nylon 180x4.5mm 100pcs
800-CT03-1234-X11	Cable Ties Nylon 200x4.5mm 100pcs
800-CT03-1235-X11	Cable Ties Nylon 380x4.5mm 100pcs
800-CT03-1236-X11	Cable Ties Nylon 360x7.5mm 100pcs
800-CT03-1237-X11	Cable Ties Nylon 100x2.5mm 100pcs
800-CT03-S113-X39	Cable Ties Nylon 145x3.4mm 100pcs
800-CT03-S114-X39	Cable Ties Nylon 150x3.5mm 100pcs

800-CT03-S116-X39	Cable Ties Nylon 185x4.6mm 100pcs
800-CT03-S118-X39	Cable Ties Nylon 200x4.6mm 100pcs
800-CT03-S125-X39	Cable Ties Nylon 380x4.7mm 100pcs
800-CT03-S126-X39	Cable Ties Nylon 390x7.6mm 100pcs
800-CT03-S139-X39	Cable Ties Nylon 92x2.4mm 100pcs
800-CT04-S126-X39	Cable Ties Nylon 390x4.6mm 100pcs

Industry Usage

The metal detectable nylon cable tie is specifically designed for use in the food and pharmaceutical processing industries. A unique manufacturing process, involving 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.

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).

Material and Compliance Information:

Material	Material short cut	Operating temperature	Colour	Flammability	Material properties*	Material specifications
Polymide 6.6	PA66	-40°C to +85°C (+105°C, 500h)	Blue (BL) Natural (NA)	UL 94 V2	.High yield strength	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



= Minimum loop tensile strength for cable ties (newton)

Metal Detectable Nylon (PA 66) Products

Detectamet Limited manufactures cable management products made of metal detectable nylon (PA66) Compounds (the "products"). These products are intended for use in the proximity of food processing, handling, and packaging operations. In addition, these products are used for cable management on food processing and packaging equipment, and inside electrical control panels found in the food processing and packaging operations.

Subject to the provisions of clause 3 below, Detectamet Ltd declares that these products made be used as food contact according to:

Regulation (EC) No 1935/2004.

Detectamet Ltd follows good manufacturing principles (gmp) according to **Regulation (EC) No 2023/2006** when manufacturing these products.

Regulation (EU) No 10/2011 (as amended by Regulation(EU) No **1282/2011**):

The monomers as well as the other starting substances, additives and polymer production aids used in the manufacture of these products are listed in annex I (union list) with the following specific restrictions:

- Hexamethylenediamine: SML – 2.4mg/kg
- 1,6- Hexamethylen-bis [3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionamid]: SML =45 MG/KG
- Iron: SML = 48MG/KG

The meanings of the used abbreviations are:

SML = Specific migration limit in food or in food stimulant

The Generic specific migration limit of 60 mg/kg according to Regulation (EU) No 10/2011, article 11(2) and the overall migration limit of 10 mg/dm² according to the article 12(1) have to be observed.

This material contains dual-use additives, which are not subject to a restriction.

The pigments used for colouration comply with requirements of the European Resolution **AP (89) 1** or the German Recommendation **IX** of **BfR (Federal Institute for Risk Assessment)**.

This statement of compliance applies to products supplied in original form as manufactured by Detectamet Limited i.e. without any subsequent modification. Since conditions of use/application of Products are outside Detectamet Ltds control, Detectamet Ltd gives no guarantees, warranties (express or implied) and assumes no liability whatsoever for any loss, damage or expense arising from or in connection with the use of this information.

The suitability of the products for the application concerned, included their effect on the smell and taste of the context and the observance of the given limitations (for example overall migration, specific limits and other analytical requirements) must be checked in each case by the user.

These products are also compliant with the following FDA Standards as specified under Title 21 of The Code of Federal Regulations (Ch1 Edition 4-1-99, the "CFR") and may be used in indirect food contact applications

Section 184 CFR – Direct Food Substances Affirmed as Generally Recognized as Safe (GRAS)

Subsection 177-1500(b)(1)CFR – Indirect Food Additives – Nylon Resins

Subsection 177.1520 CFR – Indirect Food Additives – Olefin Polymers

Subsection 178.3297 CFR – Indirect Food Additives – Colorants for Polymers

Subsection 178-2010 CFR - Indirect Food Additives – Antioxidants and/or stabilizers for polymers

Subsection 170.39 CFR – Threshold of Regulation for Substances Used in Food-Contact Articles

The product must not be used in contact with alcoholic beverages (Food Types

VI-A and VI-C according to 21 CFR 176.170(c). Table 1)

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