

# TBA ECP Magnetically Detectable Products



## The Problem

Contamination of food products by items used during the manufacturing process entering the mix by accident can result in large costs being incurred. Costs arise through scrapping of large quantities of product if the contamination incident is identified in house through standard inspection, product recalls and possible litigation if the item is consumed. In addition business can be lost as a result of lost reputation and questions arising over the safety of food products.

## The Solution

By making use of magnetically detectable products from TBA these costs and problems can be avoided. TBA's magnetically detectable products can be detected by conventional metal detection systems, therefore broken components made from TBA materials can be detected and rejected.



## The Benefits

- Use of detectable products demonstrates “all due diligence”
- Smaller quantities of material scrapped
- Reduced cost of reject
- Reduced risk of contaminants being consumed
- Can be used as part of HACCP process

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# TBA ECP Magnetically Detectable Products



## Products

TBA manufacture a range of magnetically detectable thermoplastic compounds, the range is sufficient to allow the production of the majority of items used in a food factory to be manufactured in detectable form. As well as having magnetic properties all TBA compounds are manufactured in non – food blue to provide an element of visual detectability as well. The range is listed below.

<b>Detectable Compounds</b>		
<i>Grade</i>	<i>Description</i>	<i>Applications</i>
ECP 210	Injection moulding and extrusion grade detectable PP	Suitable for general purpose moulding applications for packaging, liquid containers, thin wall extrusion such as corrugated sheet
ECP 225	Film grade detectable PE	Bags, bin liners, covers etc
ECP 228	Rotational moulding detectable PE	Large containers, bins
ECP 245	Injection moulding grade detectable nylon 6	Bearings, guides, brushes etc
ECP 270	Injection moulding/ extrusion grade detectable ABS	Sheet extrusion for vacuum forming, moulded enclosures
ECP 280	Injection moulding/ extrusion grade detectable TPE	Hoses, tool grips, sheet
ECP 290	Injection moulding/ extrusion grade detectable TPU	Hoses, tool grips, sheet

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TBA also has a range of finished detectable products, itemised below

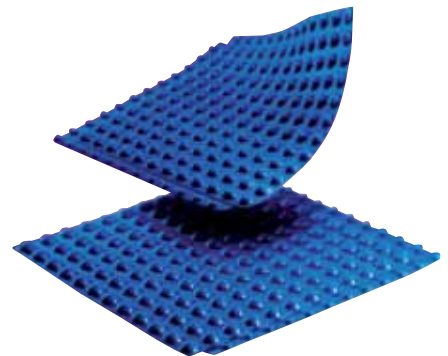
## ECP 1500/SSTPE

Detectable and electrostatic conductive blue matting, suitable for ATEX applications. Available in 1.5, 3.0 and 5mm thick, rolls 1.2m wide. Suitable for use on work benches, shelving or flooring.



## ECP 1535

Detectable and electrostatic conductive orthopaedic blue matting, suitable for ATEX applications. Reduces operative fatigue by up to 50% for staff required to stand for long periods



## ECP 1810

Detectable 1 litre measuring jugs available in blue or red (nut allergy areas)



## ECP 1910

Detectable and static dissipative (ATEX compliant) solar powered calculator, arithmetical functions, percentages and square roots.

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## ECP 8055-Blue

Detectable and electrostatic conductive (ATEX Compliant) blue proofed neoprene sheet. Lightweight flexible material, suitable for the production of IBCs, covers, drapes etc.

## ECP 1820

Detectable nail brush.



## Coatings

Flaking paint off industrial controls is a common problem and will readily fall into food mixes, therefore TBA have developed an attractive detectable powder coating to meet this need.

<i>Grade</i>	<i>Description</i>	<i>Applications</i>
ECP564	Detectable powder coating	Coating metal control enclosures

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