



MOCOM

Alcom® DET Detectable Detectable plastics

Special compounds for metal and X-ray detection

One big challenge for quality managers in food processing companies is to prevent contamination of finished products with broken plastic parts from manufacturing equipment and accessories as well as pieces of intermediate packaging films.

This task is growing in complexity as food processing plants become more and more automated. To counter this, MOCOM has developed Alcom® DET for metal and X-ray detection.

Through cooperation with customers and producers of metal and X-ray detection equipment, MOCOM is able to develop and produce customized materials for any requirements.

Customers can choose between a variety of polymers (e. g. PE, PP, POM, PA, PPS, etc.). The level of detectability can be adjusted with “taggants” (detectable additives) to fit the customer’s detection technique and requirements.

With Alcom® DET, food processors and their suppliers can make sure that small pieces of plastic can be detected by using metal and X-ray detection equipment in food processing lines.

These compounds perform very well in food processing applications like food conveyor systems, cleaning accessories, tool handles as well as flexible films used as liners or hoods for bulk food packaging.

Alcom® DET: the advantages at a glance

- Compounds adjusted to customer’s level of detection requirements
- Solutions for all known detection techniques like metal and X-ray
- Coloring is possible
- Variety of polymers possible
- Development including customers and detection equipment producers
- Part design and simulation support

Polymer	Material name	Detection technique	FC-status	Color	Application
PA66	Alcom® DET PA66 FC 8010 15041 YL1072-15	metal detection	LM-EU FDA	yellow	Injection molded parts, food trays
	Alcom® DET PA66 FC 8010 15041 OR2661-15	metal detection	LM-EU	orange	Injection molded parts, food trays
	Alcom® DET PA66 FC 8010 15041 RD2660-15	metal detection	LM-EU	red	Injection molded parts, food trays
	Alcom® DET PA66 FC 8010 17047 BL2296-09	metal detection	LM-EU FDA	blue	Injection molded parts, food trays
	Alcom® DET PA66 FC 8010 15041 GN2662-15	metal detection	LM-EU FDA	green	Injection molded parts, food trays
PP	Alcom® DET PP FC 8010 14084 BL1182-14	metal detection	LM-EU FDA	blue	Injection molded parts, food trays
PC	Alcom® DET PC FC 8005 IM 16099 NC0001-00	metal detection	LM-EU FDA	natural	Fixing elements

Further Alcom® DET products based on different polymers and detection techniques are currently under development. Additional products and information are available on request.

Questions to choose the right Alcom® DET for your application

