



## Technical Note 3

### Compliance of IBC liners with Food Contact Regulations

Food comes into contact with many materials and articles during its production, processing, storage, preparation and serving, before its eventual consumption. Such materials and articles are called Food Contact Materials (FCMs). Food contact materials are either intended to be brought into contact with food, are already in contact with food, or can reasonably be brought into contact with food or transfer their constituents to the food under normal or foreseeable use; this includes direct or indirect contact.

FCMs should be sufficiently inert so that their constituents neither adversely affect consumer health nor influence the quality of the food. To ensure the safety of FCMs, and to facilitate the free movement of goods, EU law provides for binding rules that business operators must comply with.

The EU Rules on food contact materials can be of general scope, i.e. apply to all FCMs or apply to specific materials only. EU law may be complemented with Member States national legislation if specific EU rules do not exist.

The safety of a FCM is evaluated by the European Food Safety Authority (EFSA). At EFSA's website you can search for opinions on substances to be used in food contact materials.

The safety of Food Contact Materials is tested by the business operators placing them on the market, and by the competent authorities of the Member States during official controls. Scientific knowledge and technical competence on testing methods is being maintained by the European Reference Laboratory for Food Contact Materials (EURL-FCM). Its website provides guidelines and other resources concerning the testing of food contact materials.

The FCMs used by Francis Ward to produce its general purpose IBC liners intended for food contact applications are all FDA approved materials.

In addition the polyethylene grades used, ICO 3560 and MATRIX N-250, have passed food contact regulations tests. Certificates of Compliance for both materials are included in this Technical Note.

Francis Ward general purpose IBC liners are compliant with the overall migration limits specified in Regulation (EU) 10/2011 for contact with all types of food.

Whilst every attempt has been made to ensure that the information provided in this Technical Note is accurate and reliable Francis Ward cannot accept responsibility for the interpretation of the information provided. It is the responsibility of the user to determine the chemical compatibility of the container with its intended contents.

Technical Note 3 – 13.10.16



**Francis Ward** – A Division of The Rotational Mouldings Group

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15<sup>th</sup> September 2016

**Certificate No: GC1138**

**Certificate of Conformity.**

A batch of polyethylene liners designated 'ICO 3560' have been provided to Smithers Rapra for migration testing. Tests to assess compliance with the current EU food contact regulations, under the following conditions have been requested:

10% ethanol, 10 days at 40°C  
3% acetic acid, 10 days at 40°C  
Olive oil, 10 days at 40°C

Under these conditions, the batch of polyethylene liners designated 'ICO 3560' have been found to comply with the overall migration limit specified in Regulation (EU) 10/2011 for contact with all types of foods, with data obtained being within the limit of 10mg/dm<sup>2</sup>. All testing was undertaken in August 2016.

Data is as reported under our project number AY0226, CTR number 59666.

Smithers Rapra is a UKAS accredited Testing Laboratory number 0067.

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This certificate has been issued solely based on the information supplied up to the point of its completion and has been accepted in good faith. The samples tested were provided by the client and no responsibility can be taken for them being unrepresentative.



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**Certificate No: GC1139**

**Certificate of Conformity.**

A batch of polyethylene liners designated 'MATRIX N-250' have been provided to Smithers Rapra for migration testing. Tests to assess compliance with the current EU food contact regulations, under the following conditions have been requested:

10% ethanol, 10 days at 40°C  
3% acetic acid, 10 days at 40°C  
Olive oil, 10 days at 40°C

Under these conditions, the batch of polyethylene liners designated 'MATRIX N-250' have been found to comply with the overall migration limit specified in Regulation (EU) 10/2011 for contact with all types of foods, with data obtained being within the limit of 10mg/dm<sup>2</sup>. All testing was undertaken in August 2016.

Data is as reported under our project number AY0226, CTR number 59666.

Smithers Rapra is a UKAS accredited Testing Laboratory number 0067.

**Yvonne  
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This certificate has been issued solely based on the information supplied up to the point of its completion and has been accepted in good faith. The samples tested were provided by the client and no responsibility can be taken for them being unrepresentative.