

Test recommendations for kitchenware

ILAG created a migration test recommendation for non-stick coated bake and cookware in close cooperation with the industry association FEC (Federation of European manufacturers of Cookware and cutlery), which represents the majority of European manufacturers of non-stick coatings and global brand manufacturers of kitchenware.

This recommendation became necessary due to the EU 2020/1245 amendment of the Plastics Regulation EU 10/2011.

What has changed now?

In the Plastics Regulation, a so-called stability test was introduced for plastics with multiple uses: The migration value must not increase from the 1st to the 3rd migration test. So far, only the 3rd migration value counted.

Why is Plastic Regulation EU 10/2011 relevant to us at all?

This regulation is not fully valid for coated bake and cookware, but due to the lack of coating-specific EU laws, it has been used for individual test aspects for years.

Since with the acidic test medium acetic acid not only the coating is measured but also the metal substrate is attacked, we recommend not to apply the stability requirement there in accordance with the FEC and the legal situation.

Our migration test recommendations (in line with the FEC association position):

Test	Abb.	Simulant + Conditions	Evaluation method
Global migration	OML	Acetic acid 3 %, 3x 4 h 100°C	Evaluation 3rd migrate value
Global migration	OML	Other simulants	Evaluation 3rd migrate value or acc. to actual EU 10/2011
Metal migration	SRL	Citric acid 0.5 %, 3x 2 h 100°C	acc. to Council of Europe CM/Res(2013)9 (Metal+Alloys)
Specific migration of organic substances	SML	All simulants	Evaluation 3rd migrate value or acc. to actual EU 10/2011

What have our customers to do now?

If their test laboratories follow already this test recommendation, if they do not applicate this stability demand: Nothing to do.

Otherwise, test laboratories can be legally ordered to use these test recommendations from the compliance responsible company. Because these recommendations can be chosen, as no legal demand is valid in EU and as they are factual appropriate for measurements of the compliance with the Frame Regulation for food contact materials EU 1935/2004.

Most European test laboratories will follow these recommendations.

Your ILAG will support you in any discussions with retailers or test institutes.