

Certificate

Food regulatory assessment of the overall and specific migration of laminates

- Client: EGGER Kunststoffe GmbH & Co. KG
38503 Gifhorn
- Order: PA/4479/14
- Samples:
- EGGER laminate Flammex U708 light grey / ST 15, nominal thickness 0.8 mm
 - EGGER laminate MED W1000 premium white / ST 09, nominal thickness 0.8 mm
 - EGGER laminate W1001 solid premium white / ST 09, nominal thickness 0.8 mm
 - EGGER laminate FLEX F274 cement light / ST 09, nominal thickness 0.6 mm
 - EGGER laminate Micro H1215 Cassino ash / ST 15, nominal thickness 0.15 mm

The investigated sample materials are laminate materials for the lamination of e.g. kitchen counter tops. The laminate surface is made of plastic and will be evaluated according to the European Plastics Regulation (EU) No 10/2011. The test conditions were chosen according to the European Plastics Regulation (EU) No 10/2011 and considering the recommendations of the Joint Research Center (JRC) for the testing of kitchen counter tops ("Guidelines on testing conditions for articles in contact with foodstuffs"; 1st edition, 2009).

The overall migration was determined into the food simulants 3 % acetic acid, 10 % ethanol and 95 % ethanol according to the European Standard EN 1186 (test report PA/4263/14, dated 2.6.2014, test report PA/4533/13 part 1, dated 20.1.2014 and test report PA/4479/14 part 1, dated 23.9.2014).

The specific migration of 2,4,6-triamino-1,3,5-triazine (melamine) and formaldehyde were determined into the food simulants 3 % acetic acid (test report PA/4415/14 part 1 and part 2, both dated 23.6.2014, test report PA/4232/14, dated 10.4.2014 and test report PA/4176/14, dated 25.3.2014).

The overall migration limit is 10 mg/dm² contact surface according to Art. 12 of the European Plastics Regulation (EU) No 10/2011 (last amendment by Regulation (EU) No 202/2014). The specific migration limit of 2,4,6-triamino-1,3,5-triazine (melamine) is 2.5 mg/kg and of formaldehyde 15 mg/kg food(simulant) according to the European Plastics Regulation (EU) No 10/2011.

The investigated laminates are in compliance with the overall migration limit and the specific migration limit of 2,4,6-triamino-1,3,5-triazine (melamine) and formaldehyde in contact with aqueous and fatty foods for the intended use as lamination of kitchen counter tops (short-term contact with all types of foods up to 24 h at room temperature).

According to DIN EN 71-3 (dated May 2003) 'safety of toys' the limit for the migration of antimony is 60 mg/kg, of arsenic 25 mg/kg, of barium 1000 mg/kg, of cadmium 75 mg/kg, of chromium 60 mg/kg, of lead 90 mg/kg, of mercury 60 mg/kg and of selenium 500 mg/kg from toys (with the exception of modeling materials).

The investigated laminates are in compliance with the limits of antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium according to DIN EN 71-3 (dated May 2003) 'safety of toys'.

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Freising, 22.10.2014



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