

NEWSLETTER

2011.6



IKEA Specification, partly updated (2010.9-2011.6)

IOS-PRF-0028 Version No. AA-95715-3

Seating for domestic use-mechanical requirements

- a. Reference standard ENV12520; 2000 changed to EN12520; 2010
- b. Part 1.3 Upholstery - durability
the thickness of upholstery changed from ≥ 30 mm to ≥ 50 mm
- c. Part 1.4 these requirements are constructional requirements and do not need to be tested at an external laboratory
- d. add part 1.5 Safety requirement for self-supporting gas spring
- e. add Test reports shall, unless otherwise stated; not be older than 12 months for work chairs and not be older than 36 month for other seating

IOS-MAT-0054 Version No. AA-92520-7

Chemical compounds and substances-additional requirements for children's products and toys

- a. **PAH** New test method required according to ZEK 01.2, and 2 more PAH added from 16 PAH to 18 PAH, they are Benzo(e)pyrene(CAS.No.192-97-2) and Benzo(j) fluoranthene (CAS. No. 205-82-3)
Contaminated limit are strictly to: Sum of 18 PAH 2 mg/kg; each priorities PAH substance 0.2 mg/kg
- b. **Nitrosamines (volatile)** A new limit given on volatile nitrosamines in latex foam including carpet and rug backing. Nitrosamines are carcinogenic substances
- c. **Lead Content** For wood-based materials, a new requirement of total lead has been added which require less than 90 mg Pb/kg

IOS-PRF-0034 Version No. AA- 224717-2

Tables for domestic use-mechanical requirements

- a. Reference standard ENV12521; 2000 changed to EN12521; 2009
- b. IKEA interpretation of EN 12521:2009, section 6.1.
The Two test groups in the standard have been divided up in six different test groups
- c. Part 1.4 according to EN 1730:2000, section 6.8 with the drop height of 180 mm x 5 times
- d. Added Test reports and self declarations shall, unless otherwise stated; in any case be renewed within minimum of 36 months

Chemical compounds and substances

- a. **Phthalates** New version ask to test 3 more substances : DIHP (CAS No. 71888-89-6), DMEP (CAS No 117-82-8) and DnHP (CAS. No. 84-75-3), from 7 phthalates updated to 10 phthalates
- b. **Chlorinated Phenol in Textiles** before only required test PCP, now need to test PCP, TeCP and TriCP; and low down limit of PCP to 0.5 mg/kg
- c. **PAH** New test method required according to ZEK 01.2, and 2 more PAH added from 16 PAH to 18 PAH, they are Benzo(e)pyrene (CAS.No.192-97-2) and Benzo(j)fluoranthene (CAS.No. 205-82-3)
Contaminated limit are strictly to : Total of 18 PAH 10 mg/kg; each priorities PAH substance 0.2 mg/kg
- d. **Lead in metals:** Contamination limits of copper and Aluminium-based alloy down to 0.2%
- e. **Cadmium for general material:** contamination limit down to 40mg/kg



Good News!

ITTC is recognized by CPSC as an accredited laboratory for:

- ◆ **16 CFR Part 1610 for Flammability of Clothing Textiles**
- ◆ **16 CFR Part 1630 / Part 1631 for Surface Flammability of Carpets and Rugs**

On going applying:

- ◆ **Lead Paint Regulation, 16 CFR Part 1303, Reference 5 & 6**

CPSC/CPSIA

CPSC, established in 1972, is the abbreviation of **Consumer Product Safety Committee**, which is an important agency for customers' protection in US. CPSA, enacted in 1972, is the abbreviation of **Consumer Product Safety Act**. CPSA is the protection regulation of CPSC.

Former U.S. President, George W. Bush signed the **Consumer Product Safety Improvement Act (CPSIA/HR4040)** on August 14, 2008, then, it becomes a law. The Act is the most severe one since the establishment of the CPSC in 1972. The New law regulate more severe on lead content in children's products. In addition, it has regulation on the content of phthalates in toys and childcare articles. Moreover, CPSIA requires certain products, before being imported into the United States, have test reports issued by an independent third party laboratory which must be approved by the Commission.

(This information is for reference only.)

FY12 New Test Methods

Textile Test:

- Colour fastness to urine ISO 105-E01
- Fire seating furniture NA: Testing according to TB117
- Absorption ISO 9073-12



Cooking and Eating Test:

- Thermal shock and thermal shock endurance
- The resistance to microwave heating of ceramic, glass, glass-ceramic or plastic cookware
- Water absorption of ceramic articles



Chemistry Test:

- Colorants-carcinogenic and allergenic
- Aromatic content coatings
- Children products method acc. to IOS-MAT-0054
- Food Contact acc. to IOS-PRG-0021

On going activities ...

- ◆ June 9, 2011, ITTC held a free seminar regarding textile flammability test.
- ◆ In the end of July, ITTC will hold a free seminar regarding furniture seating test.
- ◆ ITTC will hold different training courses monthly, for more information, please contact Eva Yang. E-mail: eva.yang3@ikea.com
- ◆ ITTC official website is coming soon, and your attention will be warmly welcomed!

Test Improvement Notes

* RoHS package test is quite complicated, and need long test time, normally 2 to 4 weeks. Here we suggest supplier apply test at least 2 months before shipment to avoid eventual delay.

Following material must be submitted:

1. Finished article 1 pcs, component 2 sets (at least 20g for small part)
2. Provide complete BOM list as IKEA agreed format.



* To avoid test result deviation, please ensure that samples sent for Formaldehyde test and VOC emission test are wrapped in shrink film to prevent free emission during transport and storage.

Test Method Amendment Notes

-Colour Fastness to Light

Why Amend?

To have more comparable and stable result from different lab

What Amend?

The test method standard is still ISO 105-B02. What has been done is to specify certain parameters further that can affect the results:

- Common auxiliary materials:
 - One and the same brand of blue wool to be used by all IKEA approved labs
- Better specified parameters for test:
 - Tolerances for machine settings defined further: Temperature & Humidity
 - End point for the test is better defined

😊 *To further increase our service, ITTC is starting with 6 days service, from Monday to Saturday. The full service isn't there from day one and in all departments but our aim is to serve you, our clients even better in the future. For further details or questions, please contact client service.*

