

Description of sample	
Dimensions:	length x width x thickness: 800 mm x 200 mm x 20 mm
Two samples made of pine wood: <ul style="list-style-type: none">– sample not covered with BEJCOLAK varnish, which is a “reference sample” for the sample covered with varnish,– sample covered with BEJCOLAK varnish on one side.	
The samples were taken and delivered for testing by the Orderer.	

Range and methods of testing

Item	Tested parameters	Testing methods	PN-EN 71-2:2011 Standard
1.	flammability of toys intended to be entered by a child	flammability test	item 5.4

Tests of overall flammability of BEJCOLAK varnish were carried out as proficiency tests for the samples of pine wood, i.e. sample covered with varnish and “reference sample” not covered with varnish.

Test results

The samples (No. 176/14/P1-P2) for testing the flammability were damaged due to the character of tests.

Item	Sample name	Sample number	Name of test	Test result
1.	BEJCOLAK varnish		flammability test	the reference sample did not catch fire, the sample covered with varnish caught fire, the first and the second threads were broken, flame propagation is equal to (0.235 ± 0.001) mm/s, the tested varnish is not flammable material.
	“reference sample” not covered with varnish	176/14/P1		
	wood sample covered with varnish	176/14/P2		

Note: measurement uncertainty U is an extended uncertainty at confidence level 95% and extension coefficient $k=2$, according to the general instruction IO-DLS/03.

The results and their uncertainty refer only to the tested sample and not to the product batch/ substance/ material the sample was taken from.

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KOMAG x 1

- END OF THE REPORT -

Opinions and interpretations

In the light of tests results presented in the Tests Report No. 176/DLS/2014 the sample of BEJCOLAK varnish **meets the requirements** given in items 4.1 and 4.4 of PN-EN 71-2:2011 Standard entitled "Safety of toys. Part 2. Flammability".

The sample of pine wood covered with the above mentioned varnish is not flammable material.

During the flammability test:

- rate of flame propagation for sample of pine wood covered with BEJCOLAK varnish (No. 176/14/P2) was equal to (0.235 ± 0.001) mm/s,
- "reference sample" of pine wood not covered with varnish (No. 176/14/P1) did not catch fire.

Bożena Rakwicz, Ph.D. Eng., is responsible for opinions and interpretations