



DATA: JUN.7, 2023

1.Test Requested:

To determine the flammability (building materials class B1) in accordance with DIN 4102-1 (May 1998) Fire behaviour of building materials and elements Part 1: Classification of building materials, Requirements and testing

2.Sample details:

Sample Description	JC-518
Color	White
Density	About 178gsm
Size of sample	1000mm×180mm

3.Test results:

DIN 4102-1:1998 Criteria for classification	Results of "Brandschacht" Test		
1) All materials, except flooring, may be classed as B1 materials if they meet the following requirements a) and b): a) The test using the 'Brandschacht' apparatus described in DIN 4102-15 (cf. subclause 6.1.3.1) shall be deemed passed if – The mean value for the residual length (portion of specimen that has not burned or charred; cf. subclause 9.1 of DIN 4102-16) of each specimen is at least 15 cm and no individual values are lower than 0 cm, – The mean effluent temperature does not exceed 200 °C in any test, – The requirement for the residual length of each specimen is met even where there is after flame, afterglow, or smouldering. b) Pass DIN 4102-1: 1998 sub-clause 6.2.3 Ignitability Test if For each specimen, flaming doesn't reach the gage mark within 20s after flame application.	Warp	1	60cm
		2	58cm
		3	59cm
		4	58cm
	Average	59cm	
2) Materials may be classed as B2 materials if they pass the ignitability test specified in DIN 4102-1: 1998 subclause 6.2.5. For each specimen, flaming doesn't reach the gage mark (150mm marks) within 20s after flame application.	Weft	1	61cm
		2	63cm
		3	59cm
		4	56cm
	Average	60cm	
3) Combustible materials which cannot be classed as B1 or B2 materials shall be classed as B3 materials.	114°C		
	/		
	/		

4.Conclusion:

DIN 4102-1 B1; DIN 4102-1 B2; DIN 4102-1 B3

STATEMENTS:

This test report does not replace any mandatory certification of the product that may be required. The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire and smoke hazard of the product in use.
