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PI 123/03/GB

It is possible to make the duropolymer material flame retardant.
Het is mogelijk om dit product brandvertragend te maken.
C'est possible de livrer des matériaux de feu retardante.
Es ist möglich die Produkte normalentflammbar zu liefern.

TEST REPORT ACCORDING TO DIN 4102 PART 1

For the following equipment:

MOULDINGS IN DUROPOLYMER®: ORAC AXXENT® - B2

(Product Name)

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DESCRIPTION OF THE MATERIAL:

Density: ca. 400 kg/m² (*) (*) this value is variable
Composition: Extruded Duropolymer (Polystyrene) with flame retardant additives.
Hardness: ca. 55 – 60 Shore D (*) this value is variable
Thickness: This is variable: 5 mm to 27 mm.
Surface: Every product has a one component paint on water basis.

TEST METHOD:

The test is carried out by "Laboratorium voor Aanwending der Brandstoffen en Warmteoverdracht, Universiteit Gent", in accordance with the prescriptions of the German Standard DIN 4102 – Teil 1 (edition may 1998), §6.2, once with edge exposure and once with surface exposure (5 samples each).

TEST RESULTS:

TEST RESULTS:	Edge exposure					Surface exposure				
	1	2	3	4	5	1	2	3	4	5
Test Nr.	1	2	3	4	5	1	2	3	4	5
Ignition (s)	1	1	1	1	1	2	2	2	2,5	2
Max. flame height during the (cm)	20 s	6	8	9	8	7	6	5	6	6
After (s)	15	15	17	16	14	15	15	15	15	15
Reaching the test-mark (s)No	No	No	No	No	No	No	No	No	No	No
Self-extinction (s)	> 20	> 20	> 20	>20	>20	>20	> 20	> 20	> 20	> 20
After glowing (s)	No	No	No	No	No	No	No	No	No	No
Smoke development	High	High	High	High	High	Moderate	Moderate	Moderate	Moderate	Moderate
Ignition of filter paper (s)	No	20	No	19	18	No	No	No	No	no

EVALUATION:

- 1° The material under the conditions of the test, meets the requirements of DIN 4102 – Teil 1 (§6.2 and can thus be classified as B2 ('normalentflammbar').
- 2° Following DIN 4102-Teil 1, §6.2.5, the material is considered as 'brennend abtropfend' (not free from burning droplets).