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Fire Lab



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Summary report no. P60-17- 8018en**Fire testing**

Order number: 60-17-0024
Date: 29.03.2017
Editor: Mr. Breuhahn
Documentation: bu

This report consists of
2 page(s) and 0 enclosure(s).

Fon: 03302 49982 60

Delivery date specimen: 06.01.2017 / 21.02.2017

Test date: 12.01.2017 until 21.03.2017

Test specimen: PC/ABS
with type designation: Bayblend FR3030

Test specification: Test methods of requirements R22/R23 according to
DIN EN 45545-2 (02/2016) „Railway applications – Fire protection on
railway vehicles – Part 2: Requirements for fire behavior of materials
and components“

Objective: Evaluation according to DIN EN 45545-2 (02/2016)
Requirements R22/R23 (see table 5 – Set of material requirements)

Test results: **With the obtained test results, the material reached for the re-
quirements following Hazard Level:**
- Requirement R22: Hazard Level 1 (HL1)
- Requirement R23: Hazard Level 2 (HL2)

Remark: The classification is valid only in conjunction with the test reports listed
on page 2. Please refer to the test reports for details.



Stefan Harder
Head of Fire Lab

The results refer only to the specimens mentioned above.
This Test Report must always be copied entirely. Any copying of extracts and publication require the prior consent of the Laboratory.

1 Details about the specimens

Material or combination of materials:

PC/ABS
halogen-free cable duct material

Manufacturer:

Bayer

Dimensions of sample:

150mm x 10mm x 1,5mm
75mm x 75mm x 1,5mm
50g

2 Summary of results

The material was tested for use in railway vehicles, requirement R22/R23

(Table 5– Material requirement).

Report no.	Ref. method	Standard	Parameter	Unit	Result	HL R22	HL R23
P60-17-5502en	T01	EN ISO 4589-2	OI	Vol. %	32,5	3	3
P60-17-4071en	T10.03	EN ISO 5659-2	Ds max	dimensionless	460	1	2
650.1IS0050/17	T12	NF X 70-100	CIT	dimensionless	0,11	3	3

The **Hazard Level HL** depends on the operation category and design category according to DIN EN 45545-2 Table 1.

Operation category	Design category			
	N: Standard vehicles	A: Automatic vehicles having no emergency trained staff on board	D: Double decked vehi- cle	S: Sleeping and cou- chette cars double decked or single deck
1	HL1	HL1	HL1	HL2
2	HL2	HL2	HL2	HL2
3	HL2	HL2	HL2	HL3
4	HL3	HL3	HL3	HL3

Sign
Test engineer:

