



Vom EBA anerkannte Prüfstelle
für eisenbahntypische Prüfungen
an Bauteilen von Eisenbahnfahr-
zeugen Identifikationsnummer:
EBA - 024 / 07 / 07 -

**Geschäftsfeld
Gebäude Sicherheit**

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**Report on a
fire technical Test according to
DIN 54837 and classification of the burning behaviour
according to E DIN 5510-02**

Person responsible:

Mr. Püschel

20608181 GS-BS/Püs
44137 Dortmund, 21.11.2008

DMT GmbH & Co. KG
Expert Body for Fire Protection

(Püschel)

- 1. Customer** : Shenzhen Woer
Heat-Shrinkable Material Co.,Ltd
Woer Mansion, North Lanjing Rd,
Great Industrial Area Shenzhen,
P.R.China
- 2. Sample indications**
- Manufacturer and place : see customer
- Material : Heat Shrinkable Cable & Wire Identification Sleeves
- Typ : RSFR-H-2X-6.4-50-*K-Y 18#
- Characterisation : RSFR-H-2X-6.4-50-*K-Y 18#
- Colour : yellow
- Materialthickness [mm] : 0.33 ± 0.1
- Date of receipt : 12.11.2008
- Date of test : 21.11.2008
- VG-No.** : [7/769]
- 3. Specimen preparation, test arrangement and execution according to DIN 54837**
- Test chamber : Fire room according to DIN 50050-2
- Number of specimen [pieces] : 5
- Dimensions of specimen [mm] : 500 x 10 x 0.33 ± 0.1 (Original Material)
- Time of exposure to fire [s] : 180
- Testing time [s] : 300

4. Results

<u>Sample No.</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>Ø</u>
Inflammation after [s] :	2	2	2	2	2	
Duration of flames after removing burner [s] :	0	0	0	0	0	0
Start of dropping or falling down of material [s] :	39	66	34	-	-	
Duration of flames of burning material dropped or fallen down [s] :	9	0	3	-	-	2
Duration of glowing after burning with flames [s] :	0	1	1	1	1	
Max. height of flames [cm] :	25	25	25	25	30	
Max. height of flames at [s] :	25	25	25	30	50	
Length of destroyed area [cm] :	19	20	20	20	21	20
Max. density of smoke [%] :	5	6	7	7	7	
Max. density of smoke [s] :	53	60	55	57	59	
Integral density of smoke [% x min] :	1	2	1	2	2	2

5. Classification according to E DIN 5510-2

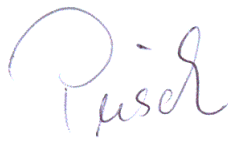
Class of reaction to fire	: S 4
Class of drop behaviour	: ST 2
Class of smoke emission	: SR 2

6. Annotations

This test report is referring to the tested object only. The results and classifications do not apply to other objects / materials.

According to E DIN 5510-2, paragraph 5.2.1, the presented test report must not be older then 3 years since date of issue.

Person responsible



(Püscher)

