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Report

Received:

One blue non woven curtain, indicated as:

➤ Cobalt separation curtain

TNO nr: MP09.25122.01

Date

26 September 2009

Project number

T09.25122

Phone number

0165 543940

Fax number

0165 554855

Your reference

Mail d.d. 16 September 2009

Article

Cobalt separation curtain

Request:

Testing the fabric according ISO 6040 & 6041, and providing information about afterflame time and afterglow time.

Test method:

Ease of ignition

: ISO 6940:2004. Pretreatment: no. Gas used: propane.
Surface exposed to flame: good side. Place of ignition:
edge.

Flame spread properties

: ISO 6941:2003, gas used: propane, surface exposed to
flame: good site, direction of fabric: vertical, place of
ignition: edge. Ignition time: if longer than 10s, time
needed for ignition measured by ISO 6940

TQS applies General Terms & Conditions which
are filed at the office of the Clerk for civil affairs
at the Court in Zutphen (the Netherlands) under
number 12/2009, dated March 26th 2009.

Test conditions:

Temperature : 20° C

Moisture : 65% rh

Gas used : propane

Ignition : edge

Distance burner: 20 mm

The original material is tested



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Test results:

➤ *Ease of ignition, ISO 6940*

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MP09.25122.01 cobalt separation curtain	Warp direction	
	Number of cases of ignition	Number of cases of non- ignition
Flame application time (s)		
1	0	5
2	0	5
3	2*	5
4	2*	5
5	0	5
10	0	5**
20	0	5**
Mean ignition time	n.a.	-
Fabric ignites within 20 s flame time: no		-

*afterflame time less than 5 seconds

**sample melts away until the flame has no influence on sample anymore

MP09.25122.01 cobalt separation curtain	Weft direction	
	Number of cases of ignition	Number of cases of non- ignition
Flame application time (s)		
1	0	5
2	0	5
3	3*	5
4	2*	5
5	0	5
10	0	5**
20	0	2**
Mean ignition time	n.a.	-
Fabric ignites within 20 s flame time: no		-

*afterflame time less than 5 seconds

**sample melts away until the flame has no influence on sample anymore



Date
28 September 2009

Project number
T09.25122

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➤ *Flame spread properties, ISO 6941*

MP09.25122.01 cobalt separation curtain	Length direction			Width direction		
	1	2	3	1	2	3
Breaking first marker thread in s	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Breaking second marker thread in s	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Breaking third marker thread in s	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Project leader:
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Visa:
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