

# PLASTICS

TECHNOLOGY  
LABORATORIES, INC.

Flammability Report Page 1 of 2

Testing : Rate Of Burning And/Or Extent And Time Of Burning Of Plastics - Horizontal Position  
 Test Method : ASTM D635-06  
 Project Number : P20080934, P20081063, P20081193  
 Customer : SABIC Innovative Plastics US, LLC  
 Attention : Ajit Ranade  
 Analyst : D. Loehr and J. McCarthy  
 Date : March 17, 2008



Material : LTC2R45 LTD2R45 LTT2R45 LTR2R45 VT24510  
 Test Direction : Machine Direction  
 Thickness : 4.6 mm  
 Sample Conditioning : 48+ hours At 23°C ± 2°C / 50% ± 5% RH  
 Sample Preparation : Supplied by customer  
 Sample Type : 13mm width x 127mm length x 4.25 mm

Test Number	Elapsed Time (Seconds)	Disposition Of Sample	Burned Length (mm)	Linear Burning Rate (mm/min)
1	0	Self Extinguished	0	0.0
2	0	Self Extinguished	0	0.0
3	0	Self Extinguished	0	0.0
4	0	Self Extinguished	0	0.0
5	0	Self Extinguished	0	0.0
6	0	Self Extinguished	0	0.0
7	0	Self Extinguished	0	0.0
8	0	Self Extinguished	0	0.0
9	0	Self Extinguished	0	0.0
10	0	Self Extinguished	0	0.0
Average	0		0	0.0
Std. Dev.	0		0	0.0

This material meets the CC1 classification of the 2003 International Building and Construction (IBC) Standard

The behavior of specimens shall be classified HB (HB = horizontal burning) if,

There are no visible signs of combustion after the ignition source is removed, or

The flame front does not pass the 25 mm reference mark, or

The flame front passes the 25 mm reference mark but does not reach the 100 mm reference mark, or

The flame front reaches the 100 mm reference mark and the linear burning rate does not exceed 40 mm/min for specimens having a thickness between 3 and 13 mm or 75 mm/min for specimens having a thickness less than 3 mm.

This test method should be used to measure and describe the response of materials, products, or assemblies to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard for fire risk of materials, products or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire risk assessment which takes into account all of the factors which are pertinent to an assessment of the fire hazard of a particular end use.

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**Date** : March 17, 2008



**Material** : LTC2R45 LTD2R45 LTT2R45 LTR2R45 VT24510  
**Test Direction** : Cross Machine Direction  
**Thickness** : 4.6 mm  
**Sample Conditioning** : 48+ hours At 23°C ± 2°C / 50% ± 5% RH  
**Sample Preparation** : Supplied by customer  
**Sample Type** : 13mm width x 127mm length x 4.25 mm

Test Number	Elapsed Time (Seconds)	Disposition Of Sample	Burned Length (mm)	Linear Burning Rate (mm/min)
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8	0	Self Extinguished	0	0.0
9	0	Self Extinguished	0	0.0
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Average	0		0	0.0
Std. Dev.	0		0	0.0

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- There are no visible signs of combustion after the ignition source is removed, or
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