TEST REPORT

Client : BASF New Zealand Limited

Level 4

4 Leonard Isitt Drive

Auckland Airport Auckland 2022 New Zealand

Test Number : 16-003131

Issue Date : 08/07/2016

Print Date : 8/08/2016

Sample Description

Clients Ref : "BASF Styropor KF162"

Rigid Foam

Colour : White

Nominal Composition : Polystyrene

AS 2122.1-1993

Determination of Flame Propagation - Surface Ignition of Vertically Oriented Specimens of Cellular Plastics

Method Used

Mean Density

Median Flame Duration Time

Eighth Value of Flame duration

Standard Deviation of Flame duration

Median Volume retained

Eighth Value in Volume

Standard Deviation of Volume

Mean Density
16.57 kg/m³

Median Flame Duration Time
1.74 sec

Eighth Value of Flame duration
2.64 sec

Standard Deviation of Flame duration

Median Volume retained
54.14 %

Eighth Value in Volume
51.43 %

Standard Deviation of Volume
0.04

Note: Specimens conditioned in accordance to AS 2498.1 prior to testing.

Theses tests results on their own do not indicate the fire hazard of the material or product under actual fire conditions and consequently should not be applied to the assessment of fire hazard without taking into account additional supportive information.
TEST REPORT

Client: BASF New Zealand Limited
Level 4
4 Leonard Isitt Drive
Auckland Airport Auckland 2022 New Zealand

Test Number: 16-003131
Issue Date: 08/07/2016
Print Date: 8/08/2016

All specimens produced molten / flaming droplets.

Compliance to: AS 1366.3-1992, Clause 10, Table 2 – Flame Propagation characteristics
Requirements; Class VH
Median flame duration (max): 2 second
Eighth Value (max) : 3 second
Median mass retained (min): 50 %
Eighth Value (min) : 47 %

Complies
Client : BASF New Zealand Limited
Level 4
4 Leonard Isitt Drive
Auckland Airport Auckland 2022 New Zealand

Sample Description
Clients Ref : “BASF Styropor KF262”
Rigid foam
Colour : White
Nominal Composition : Polystyrene

AS 2122.1-1993
Determination of Flame Propagation - Surface Ignition of Vertically Oriented Specimens of Cellular Plastics

Method Used
Mean Density
Median Flame Duration Time
Eighth Value of Flame duration
Standard Deviation of Flame duration
Median Volume retained
Eighth Value in Volume
Standard Deviation of Volume

Method A
18.81 kg/m³
0.94 sec
1.11 sec
0.13
58.84 %
57.42 %
0.03

Note: Specimens conditioned in accordance to AS 2498.1 prior to testing.

Theses tests results on their own do not indicate the fire hazard of the material or product under actual fire conditions and consequently should not be applied to the assessment of fire hazard without taking into account additional supportive information.

All specimens produced molten/flaming droplets.

Compliance to AS 1366.3-1992,Clause 11,Table 2,Class VH-Flame Propagation Characteristics Requirement:
Median Flame Duration (max): 2 seconds
Eighth Value (max): 3 seconds
Median Volume Retained (min): 50%
Eighth Value (min): 47%
Complies
TEST REPORT

Client : BASF New Zealand Limited
Level 4
4 Leonard Isitt Drive
Auckland Airport Auckland 2022 New Zealand

Sample Description
Clients Ref : "BASF Styropor KF362"
Rigid Foam
Colour : White
Nominal Composition : Polystyrene

AS 2122.1-1993
Determination of Flame Propagation - Surface Ignition of Vertically Oriented Specimens of Cellular Plastics

Method Used

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Mean Density</td>
<td>17.12 kg/m³</td>
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<tr>
<td>Median Flame Duration Time</td>
<td>2.62 sec</td>
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<td>Eighth Value of Flame duration</td>
<td>2.92 sec</td>
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<td>Standard Deviation of Flame duration</td>
<td>0.18 %</td>
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<tr>
<td>Median Volume retained</td>
<td>60.29 %</td>
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<td>Eighth Value in Volume</td>
<td>59.98 %</td>
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<tr>
<td>Standard Deviation of Volume</td>
<td>0.03</td>
</tr>
</tbody>
</table>

Note: Specimens conditioned in accordance to AS 2498.1 prior to testing.

Theses test results on their own do not indicate the fire hazard of the material or product under actual fire conditions and consequently should not be applied to the assessment of fire hazard without taking into account additional supportive information.
**TEST REPORT**

**Client:** BASF New Zealand Limited  
**Level 4**  
**4 Leonard Isitt Drive**  
**Auckland Airport Auckland 2022 New Zealand**

<table>
<thead>
<tr>
<th>Test Number</th>
<th>16-003133</th>
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<td>Issue Date</td>
<td>06/07/2016</td>
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<td>08/08/2016</td>
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</table>

All specimens produced molten / flaming droplets.

Compliance to: AS 1366.3-1992, Clause 10, Table 2 – Flame Propagation characteristics

Requirements: - Class VH  
Median flame duration (max): 2 second  
Eighth Value (max): 3 second  
Median mass retained (min): 50 %  
Eighth Value (min): 47 %

Complies
TEST REPORT

Client: BASF New Zealand Limited
Level 4
4 Leonard Isitt Drive
Auckland Airport Auckland 2022 New Zealand

Test Number: 16-003136
Issue Date: 02/09/2016
Print Date: 5/09/2016
Order Number: PO4930745817

Replacement of Report dated: 16/08/2016

Sample Description

Clients Ref: "BASF Styropor A/P KF212"
Rigid foam
Colour: White
Nominal Composition: Polystyrene

AS 2122.1-1993

Determination of Flame Propagation - Surface Ignition of Vertically Oriented Specimens of Cellular Plastics

Method Used
Method A

Mean Density 26.42 kg/m³
Median Flame Duration Time 1.32 sec
Eighth Value of Flame duration 1.47 sec
Standard Deviation of Flame duration 0.06
Median Volume retained 70.37 %
Eighth Value in Volume 69.27 %
Standard Deviation of Volume 0.01

Note: Specimens conditioned in accordance to AS 2498.1 prior to testing.

These tests results on their own do not indicate the fire hazard of the material or product under actual fire conditions and consequently should not be applied to the assessment of fire hazard without taking into account additional supportive information.
TEST REPORT

Client : BASF New Zealand Limited  
Level 4  
4 Leonard Isitt Drive  
Auckland Airport Auckland 2022 New Zealand

Test Number : 16-003136  
Issue Date : 02/09/2016  
Print Date : 5/09/2016  
Order Number : PO4930745817

Replacement of Report dated : 16/08/2016

Compliance to AS 1366.3-1992, Clause 11, Table 2, Class VH-Flame Propagation Characteristics

Requirement:
- Median Flame Duration (max): 2 seconds
- Eighth Value (max): 3 seconds
- Median Volume Retained (min): 50%
- Eighth Value (min): 47%

Complies