

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing

A.B.N 43 006 014 106

1st Floor, 191 Racecourse Road, Flemington, Victoria 3031

P.O Box 240, North Melbourne, Victoria 3051

Phone (03) 9371 2400 Fax (03) 9371 2499

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	Method A
Mean Density	16.57 kg/m ³
Median Flame Duration Time	1.74 sec
Eighth Value of Flame duration	2.64 sec
Standard Deviation of Flame duration	0.14
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.

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.

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APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc. (Hons)
MANAGING DIRECTOR

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Client : BASF New Zealand Limited
Level 4
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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

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TEST REPORT

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

Test Number : 16-003132
Issue Date : 30/06/2016
Print Date : 16/08/2016
Order Number : PO4930745817

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	Method A
Mean Density	18.81 kg/m ³
Median Flame Duration Time	0.94 sec
Eighth Value of Flame duration	1.11 sec
Standard Deviation of Flame duration	0.13
Median Volume retained	58.84 %
Eighth Value in Volume	57.42 %
Standard Deviation of Volume	0.03

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.

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

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TEST REPORT

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

Test Number : 16-003133
Issue Date : 06/07/2016
Print Date : 8/08/2016

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	Method A
Mean Density	17.12 kg/m ³
Median Flame Duration Time	2.62 sec
Eighth Value of Flame duration	2.92 sec
Standard Deviation of Flame duration	0.18
Median Volume retained	60.29 %
Eighth Value in Volume	59.98 %
Standard Deviation of Volume	0.03

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

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Issue Date : 06/07/2016
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 Vlaue (min) : 47 %

Complies

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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/m ³
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.

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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%
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