

# 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 :** Dow Chemical Australia  
Level 5, 20 Rodborough Road  
Frenchs Forest NSW 2086

**Test Number :** 17-000225  
**Issue Date :** 16/02/2017  
**Print Date :** 16/02/2017

**Sample Description** Clients Ref : "XENERGY XPS"  
Extruded polystyrene insulation  
Colour : Grey  
End Use : Insulation  
Nominal Composition : polystyrene  
Nominal Mass per Unit Area/Density : 40kg/m3

AS 2122.1-1993

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

Method Used	Method A
Mean Density	39.24 kg/m <sup>3</sup>
Median Flame Duration Time	1.18 sec
Eighth Value of Flame duration	1.78 sec
Standard Deviation of Flame duration	0.09
Median Volume retained	75.04 %
Eighth Value in Volume	74.22 %
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.

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All specimens produced molten / flaming droplets.

Compliance to AS 1366.4-1989, Table 3- Flame Propagation  
Requirement: Class I-IV  
Median Flame Duration (max) : 1.5s  
Eighth Value (max) : 2.5s  
Median Volume Retained : 70 %  
Eighth Value (min): 60 %  
Complies

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APPROVED SIGNATORY

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