



# SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH

(A unit of Shriram Scientific and Industrial Research Foundation)

19, University Road, Delhi – 110007 (India)  
An ISO - 9001, 14001 & OHSAS 18001 Certified Institute

Website : [www.shriraminstitute.org](http://www.shriraminstitute.org)  
E-mail id : [customercare@shriraminstitute.org](mailto:customercare@shriraminstitute.org)

## TEST CERTIFICATE

NO.: C1/0000101864

### Issued To:

Client Code : A0631  
ALSTONE INDUSTRIES PVT LTD  
ALSTONE HOUSE, 2 E/7, JHANDEWALAN  
EXTENSION  
NEW DELHI  
DELHI-110055

Date 17/10/2017

Job No. 1709-1-141-3593

Booking No. RG1718/1/6249

Booking Date 27/09/2017

Customer Ref No. -

Customer Ref Date 25/09/2017

Kind Attn: MS. RAKSHANDA JABEEN

### Sample Description :

ONE SAMPLE DESCRIBED AS SAMPLE 1:-ALSTONE WPC DOOR, WAS RECEIVED.

Sampling was not carried out by Shriram Institute for Industrial Research. Samples details provided in the test certificate are based on declaration by the party.

S.No	Tests	Results	Protocol / Instrument used
1.	Density, Kg/m <sup>3</sup>	657	ASTM D 1622-03
2.	Filler Content, %	16.5	Thermogravimetric analysis (TGA)
3.	Flexural Modulus, MPa	1182	ISO 178:2010
4.	Vicat Softening Temperature, °C	80	ISO 306:2013
5.	Resistance to Impact by Falling Mass (Using 1 Kg falling mass after conditioning at -10° C for 1 hrs.)	No break	DIN EN 477 : 1995-08
6.	Heat Reversion, %	1.1	DIN EN 479:1995-08
7.	Straightness of Profile (Deviation from straightness)	Nil	EN 12608: 2003

AUTHORISED SIGNATORY  
EMPLOYEE CODE : (usg)



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8. Exposure Conditions:

Duration: 100 hrs

Lamp: UVA

Wavelength: 340 nm

Irradiance:  $0.89 \pm 0.02$  W/m<sup>2</sup>.nm

UV cycle 8 hrs at  $60 \pm 3$  °C Black Panel

Temperature Condensation cycle for

4 hrs at  $50 \pm 3$  °C Black Panel

Temperature

(a) Izod Impact Strength, J/m

(i) Befor UV Exposure

(ii) After UV Exposure

(iii) Retention, %

ASTM G 154-16

ASTM D 256-10e1

11.4

10.1

11.2

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D.O.R: 27-09-2017

D.O.C: 17-10-2017

AUTHORISED SIGNATORY  
EMPLOYEE CODE : (u159)