



# 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.: C1/0000101865

**Issued To:**

Client Code : A0631  
ALSTONE INDUSTRIES PVT LTD  
ALSTONE HOUSE, 2 E/7, JHANDEWALAN  
EXTENSION  
NEW DELHI  
DELHI-110055  
Kind Attn: MS. RAKSHANDA JABEEN

Date 17/10/2017

Job No. 1709-1-141-3594

Booking No. RG1718/1/6249

Booking Date 27/09/2017

Customer Ref No. -

Customer Ref Date 25/09/2017

**Sample Description :**

ONE SAMPLE DESCRIBED AS SAMPLE 2: ALSTONE DOOR FRAME (ADF) 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>	728	ASTM D 1622-03
2.	Filler Content, %	19.9	Thermogravimetric analysis (TGA)
3.	Flexural Modulus, MPa	1470	ISO 178:2010
4.	Vicat Softening Temperature, °C	85	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, %	1.2	DIN EN 479:1995-08
7.	Straightness of Profile (Deviation from straightness)	Nil	EN 12608: 2003

AUTHORISED SIGNATORY  
EMPLOYEE CODE : (11159)



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## TEST CERTIFICATE

NO.: C1/0000101885

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

ASTM G 154-16

ASTM D 256-10e1

(a) Izod Impact Strength, J/m  
(i) Befor UV Exposure 11.0  
(ii) After UV Exposure 9.7  
(iii) Retention , % 11.8

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D.O.R: 27-09-2017

D.O.C: 17-10-2017

AUTHORISED SIGNATORY  
EMPLOYEE CODE : ( 4159 )