



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
E-mail id : customercare@shriraminstitute.org

TEST CERTIFICATE

NO. : C1/0000066949

Issued To:

Client Code : Z0030
ZHONGCAI INDIA CHEMICAL BUILDING
MATERIAL PVT. LTD
UNIT NO. 706, JMD MEGAPOLIS SOHNA
ROAD, SECTOR-48
GURGAON
HARYANA-122018

Date 27/12/2016

Job No. 1612-1-141-604

Booking No. RG1617/1/7872

Booking Date 05/12/2016

Customer Ref No. -

Customer Ref Date 05/12/2016

Kind Attn: MR. VIJAY KUMAR NAWARIYA

Sample Description :

ONE SAMPLE DESCRIBED AS UPVC PROFILE, 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 Adopted
1.	Resistance to Impact by Falling Mass (Using 1 kg falling mass after conditioning at -10°C for 1 hr.)	No break	DIN EN 477:1995-08
2.	Water Absorption,%	0.04	DIN EN ISO 62:2008-05
3.	Flexural Modulus, MPa	3062	ISO 178:2010
4.	Vicat Softening Temperature, °C	84	ISO 306:2013
5.	Behaviour After Ageing (At 150°C for 30 minutes)	No visual defects observed.	DIN EN 478:1995-08
6.	Hardness Shore D	81	ISO 868:2003
7.	Heat Reversion,%	1.4	DIN EN 479:1995-08
8.	Density kg/m ³	1472	DIN 53479:1976:07
9.	Thermal Conductivity,w/mk	0.16	ISO 22007- 2:2015

Note:- DIN EN ISO 62:2008-05 is used for determination of water absorption as the specified standard DIN 53495:1984-04 is superseded by this specification.

D.O.R: 05-12-2016

D.O.C: 27-12-2016

CC : E-MAIL: vijay@zhongcai.com

AUTHORISED SIGNATORY
EMPLOYEE CODE : (0159)

GC-01(Rev-05)

Page 1 of 1

Scanned copies/photocopies or any other copies should be authenticated by reference to the original report.

Phone : 91-11-27667267, 27667983, 27667860

Fax : 91-11-27667676, 27667207

सेन्ट्रल इंस्टिट्यूट ऑफ प्लास्टिक्स
इंजीनियरिंग एण्ड टेक्नोलॉजी
(सहायक एवं उर्वरक संश्लेषण, भारत सरकार)
गिन्दी, चेन्नै - 600 032.
फोन : 22254701-06 फैक्स : 91-44-22254707



परीक्षण रिपोर्ट
TEST REPORT



को जारी / Issued to :
M/s.Zhejiang Zhongcai Profiles Co. Ltd.,
Unit 706, JMD Mega Plots,
Sohna Road, Sector 48,
Gurgaon, India.

**CENTRAL INSTITUTE OF PLASTICS
ENGINEERING & TECHNOLOGY**

(Ministry of Chemicals & Fertilizers, Govt. of India)

Guindy, Chennai - 600 032, India.

Tel : 22254701-06 Fax : 91 - 44 - 22254707

E-mail : chennai@cipet.gov.in Website : www.cipet.gov.in

क्र.सं / Sl. No.

12284 53138

रिपोर्ट सं / REPORT NO. :

Pages.....**3**.....Nos.

Part A,B,C & D

दिनांक / Date :

13th April, 2017

संदर्भ / Ref. : **Dt. 10.03.2017**

परीक्षण मानक स्तर के अनुसार परीक्षण रिपोर्ट / TEST REPORT AS PER TEST STANDARD : Refer Part C

भाग - क / PART - A

प्रस्तुत सैपल का विवरण / PARTICULARS OF SAMPLE SUBMITTED

अ) सैपल का नाम / a) Name of the Sample	:	UPVC profile -as stated by the party
आ) सैपल प्राप्त होने की तारीख / b) Date of Receipt of sample	:	10.03.2017
इ) ग्रेड/प्रकार/आकार/वर्ग / c) Grade / variety / type / size / class	:	Not applicable
ई) घोषित मूल्य / d) Declared value, If any	:	Not applicable
उ) कोड सं. / e) Code No.	:	Not applicable
ऊ) बैच सं. एवं निर्माण तारीख / f) Batch No. and Date of Manufacture:	:	Not applicable
ऋ) मात्रा / g) Quantity	:	02 bundles
ए) पैकिंग की रीति / h) Mode of Packing	:	Packed in carton pack & polythene cover
ऐ) मोहर बंद या नहीं / i) Sealed or not	:	Not Sealed
ओ) कोई अन्य सूचना / j) Any other information	:	--

भाग - ख / PART - B

अनुपूरक सूचनाएँ / SUPPLEMENTARY INFORMATIONS

- अ) सैपलिंग कार्यवाहियों हेतु संदर्भ / a) Reference to sampling procedure : Sampling not done by this lab
- आ) माप करने हेतु लिए गए सहायक दस्तावेज एवं प्राप्त परिणाम
b) Supporting documents for the measurement taken and result derived : As given in Part C
- इ) संबंधित कार्य अनुदेशों में निर्धारित के अनुसार परीक्षण रीति से कोई परिवर्तन
c) Deviation from the test method as prescribed in relevant work instructions, if any : No deviation from the standard

सेन्ट्रल इंस्टिट्यूट ऑफ प्लास्टिक्स
इंजीनियरिंग एण्ड टेक्नोलॉजी
(राज्य सरकार, भारत सरकार)
चिन्नई, चेन्नै - 600 032.
फोन : 22254701-06 फैक्स : 91-44-22254707



**CENTRAL INSTITUTE OF PLASTICS
ENGINEERING & TECHNOLOGY**

(Ministry of Chemicals & Fertilizers, Govt. of India)

Guindy, Chennai - 600 032, India.

Tel : 22254701-06 Fax : 91 - 44 - 22254707

E-mail : chennai@cipet.gov.in Website : www.cipet.gov.in

रिपोर्ट सं / REPORT NO. : **53138** **परीक्षण रिपोर्ट**
TEST REPORT

क्र.सं / Sl. No. **12284**

दिनांक / Date : **13-04-2017**

भाग - ग / PART - C

परीक्षण परिणाम / TEST RESULTS

Test Duration: 13.03.2017 to 13.04.2017

As Per EN: 12608

Sl. No.	Property	Standard	Unit	Results Obtained	Specified Requirements
1.	Wall Thickness i) Sight surface ii) Non sight surface	EN:12608 Clause 5.3.2	mm	2.88 2.13	≥ 2.50 ≥ 2.0
2.	Dimension Width Depth	EN:12608 Clause 5.3.3	mm	60.14 57.54	--
3.	Mass of the Profile	EN:12608 Clause 5.4	g/m	1062.0	Shall not be <95% of the nominal mass per meter length.
4.	Resistance to impact (@-10° C Falling mass 1000.0g Falling Height 1500.0mm)	EN:12608 Clause 5.6	--	No failure was observed	Not more than one specimen shows rupture on the wall.
5.	Deviation from straightness	EN:12608 Clause 5.3.4	mm	0.06	Shall not be > 1mm for a 1 meter of length
6.	After heat ageing @ 150 ±2°C for 24 hours i) Visual appearance	EN:12608 Clause 5.7.0	--	No defects, cracks, peel off and delamination was observed visually	Shall not show defects and delamination
7.	Change in length- Heat reversion main profile	EN:12608 Clause 5.5.1	%	1.42	Max: 2.0
8.	Change in length – Heat reversion Auxiliary profile	EN:12608 Clause 5.5.2	%	2.03	Max:3.0

(Contd...)

2 of 3



Continuation Sheet

Report No: **53138****TEST RESULTS**Date: **13-04-2017**

Sl. No.	Property	Standard	Unit	Results Obtained	Specified Requirements
9	Flexural strength	ASTM D 790	MPa	62.7	--
10.	Flexural modulus	EN 12608 A.4.3	N/mm ²	2735.6	Min: 2200.0
11.	Vicat Softening Temperature	A.4.1	°C	80.2	Min: 75.0
12.	Density	ASTM D 792	g/cc	1.49	--
13.	Flammability (Rate of burning)	ASTM D 635	--	Self extinguishing	--
14.	Weld ability (Tensile bending)	EN 12608 5.9	N	1129.0	--
15.	Tensile strength @ 50mm/min	ASTM D 638	MPa	35.5	--
16.	Elongation at break	ASTM D 638	%	42.8	--
17.	Charpy Impact strength (Notched)	EN 12608 A.4.2	kJ/m ²	80.52 (No break)	Min: 20.0

PART - D**REMARKS – Nil****NOTE:**

1. The results related only to the items tested as supplied by the party.
2. The test certificate shall not be reproduced in full except without the written approval of the laboratory.

3 of 2


 AUTHORISED SIGNATORY