

PHYSICAL TEST REPORT

CLIENT:

SUDHAKAR IRRIGATION SYSTEMS PVT LTD.

REF. No:

JOB NO.190517005, Date:-17/05/2019



ATMY ANALYTICAL LABS PVT. LTD.

(NABL / ISO 17025 Accredited Laboratory)

I-38, DLF INDUSTRIAL AREA PHASE-1, FARIDABAD-121003 (HARYANA) INDIA

Tel: +91-129-4019544, Email: info@atmylabs.com, www.atmylabs.com



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• Testing

• Research

• Innovation

TEST REPORT

Issued To :

SUDHAKAR IRRIGATION SYSTEM PVT. LTD. (UNIT-III)
SURVEY NO. - 522/1,522/2A & 1005/2
YEGUVARAJUPALEM (V), CHILLAKUR(M)

ODUR (REVENUE) SPSR NELLORE (D) -524101

Sample / Material :

CASEMENT DOOR SASH UPVC PROFILE 0.6 MTR

DOI : 05-Jun-2019

DOB : 17-May-2019

Kind Attn. : MR. SARAVANAN.M

Client Ref. No. :SISPL/NEL/2018-19/84

Report No.: 190517005-9703

ID-1905170012

RB1\RA000\IA80358

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PHYSICAL TEST REPORT

TEST	UNIT	RESULT	TEST METHOD
Density	g/cm ³	1.44	DIN EN ISO 1183
Ball Impact Hardness	N/mm ²	90	DIN ISO 239-1
Tensile Strength	Mpa	48.6	ASTM D638
Elongation at Break	%	120.0	ASTM D638
Tensile Modulus	Mpa	2110	ASTM D638
Flexural Strength	Mpa	84	ASTM D790
Flexural Modulus	Mpa	2460	ASTM D790
Charpy Impact Strength (at 25 ± 2°C / Wall thickness)	---	53.8	DIN ISO 179
Izod Notched Impact Strength (at 23° C/Wall thickness)	KJ/m ²	32.0	DIN ISO 179
Shore Hardness	Shore D	80	ASTM D2240
Water Absorption	%	0.47	ASTM D570

Analyst



Govt. Approved Laboratory

ISO 9001 : 2015, ISO 14001:2015 & OHAS 1800:2007 Certified Laboratory

Terms & Conditions:

1. Sample will not be retained more than one month for chemical and three month for mechanical unless specified instructed.
2. Sample analysis conducted on as received basis and followed by customer description, unless specified otherwise.
3. The laboratory will not be liable for sample destroy/ damage during testing, unless instructed otherwise.
4. Any Complaints matter about this report should be communicated in written, within 7 days of issue of this report.
5. The result listed refer only to the tested samples and applicable parameters as described by customer. Endorsement of product is neither inferred nor implies.
6. Total liability of our laboratory is limited to the invoiced amount.
7. This report cannot be used as and evidence in a court of law without the written approval of the laboratory.

Test Certificate No. K -

9703



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TEST	UNIT	RESULT	TEST METHOD
Heat Resistance (at 150±2°C for 30 +3/-0 minutes)	--	No defects observed	BS EN 12608
Heat Reversion (Main profile)	%	1.8	BS EN 12608
Resistance to Impact by falling mass (at 1 meter height and temp. -10°C)	--	No cracks	BS EN 12608
Stress Relief	--	No Blisters and cracks	IS 13592
Limiting Oxygen Index	%	38.6	ASTM D2863
Vicat Softening Temperature (5Kg)	°C	80	ASTM D1525
Heat Deflection Temperature	°C	82	ISO 75
Linear Thermal Expansion Coefficient (at -30°C to +50°C)	m°C	$0.76 \times 10^{-4} K^{-1}$	ASTM D696
Thermal Conductivity	W/mK	0.18	DIN 52612
Volume Resistivity	Ohm/cm	10^{14}	DIN VDE 0303 T3
Relative Permittivity at 50 GHz	--	3.2	DIN 53483

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MSF 5.10.01



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SAMPLE PICTURE



MSF 5.10.01

End of Report

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