

## TEST REPORT

Report No.: 2008010069

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Date: 07-08-2020

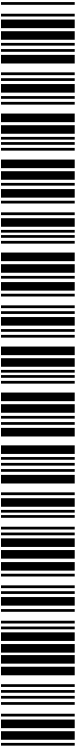
Issued To:

**M/s PROFINE INDIA WINDOW TECHNOLOGY PVT LTD,  
PLOT NO. 731/A , NEAR ITT, MANJUSAR GIDC SAVLI,  
VADODARA-391775**

Sample Description : UPVC PROFILE (KOMMERLING)  
Sample Received Date : 01-08-2020  
Sample Drawn By : Client  
Specification : --  
Test Requested : UPVC Profile  
Test Method : Refer to Attached Pages.  
Test Result : Refer to Attached Pages.

Authentication: To Check authenticity of Test report (s), Scan QR code to get original data.

### SAMPLE PICTURE



**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 only. 7. This report cannot be used as an evidence in a court of law without the written approval of the laboratory.

MSF 5.10.01





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### I. Mechanical

#### 1.

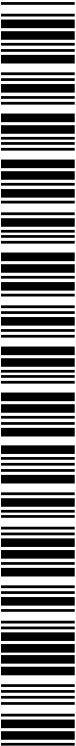
UPVC Profile Test

Test Performed on : 01-08-2020 to 07-08-2020

### PHYSICAL TEST REPORT

<u>TEST</u>	<u>UNIT</u>	<u>RESULT</u>	<u>TEST METHOD</u>
Density	g/cm <sup>3</sup>	1.45	ASTM D792
Ball Impact Hardness	N/mm <sup>2</sup>	94.0	DIN ISO 239 T1
Tensile Strength	Mpa	52.8	ASTM D638
Elongation at Break	%	98.0	ASTM D638
Tensile Modulus	Mpa	3416.0	ASTM D638
Flexural Strength	Mpa	92.4	ASTM D790
Flexural Modulus	Mpa	2702.0	ASTM D790
Charpy Impact Strength (at 25 ± 2°C / Wall thickness)	---	62.1	DIN EN ISO 179
Izod Notched Impact Strength (at 23°C/Wall thickness)	KJ/m <sup>2</sup>	39.0	DIN EN ISO 179
Shore Hardness	Shore D	80	ASTM D2240
Water Absorption	%	0.31	ASTM D570

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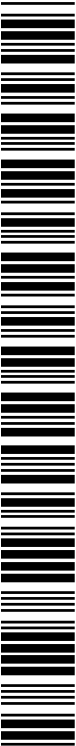


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<u>TEST</u>	<u>UNIT</u>	<u>RESULT</u>	<u>TEST METHOD</u>
Heat Resistance (at 150±2°C for 30±3/-0 minutes)	--	No defects observed	BS EN 12608
Heat Reversion (Main profile)	%	1.8	BS EN 12608
Resistance to Impact by falling mass (at 1 meter height and temp. -10°C)	--	No cracks	BS EN 12608
Stress Relief	--	No Blisters and cracks	IS 13592
Limiting Oxygen Index	%	40.2	ASTM D2863
Vicat Softening Temperature (5Kg)	°C	84	ASTM D1525
Heat Deflection Temperature	°C	84	ISO 75
Linear Thermal Expansion Coefficient (at -30°C to +50°C )	m°C	0.76 x 10 <sup>-4</sup> K <sup>-4</sup>	ASTM D696
Thermal Conductivity	W/mK	0.17	DIN 52612
Volume Resistivity	Ohm/cm	10 <sup>15</sup>	DIN VDE 0303 T3
Relative Permittivity at 50 GHz	--	3.5	DIN 53483



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-----End of Report-----




**Souvik Gayen**  
**TECHNICAL MANAGER**

**Authorised Signatory**

**Govt. Approved Laboratory**

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