

TEST REPORT

Report No.: 2212090033

Page 1 of 3
Date: 16-12-2022

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 (KOEMMERLING)
Sample Received Date : 09-12-2022
Sample Drawn By : Client
Specification : --
Test Requested : HARDNESS, OXYGEN INDEX, Vicat Softening Temperature, Ball Hardness, THERMAL CONDUCTIVITY, Tensile Modulus, WELD STRENGTH, Heat Ageing, SHEAR STRENGTH, TENSILE, Flexural Modulus, Charpy Impact, RESISTANCE TO IMPACT FALLING MASS, Water Absorption, DENSITY, FLAMMABILITY, COEFFICIENT OF LINEAR THERMAL, HEAT REVERSION
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



BIS, DGQA & Various Govt. Approved Laboratory

ISO 9001 : 2015, ISO 14001:2015 & OHSAS 18001:2007 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. Samples 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 and evidence in a court of law without the written approval of the laboratory.

MSF5.10.01





TEST REPORT

Report No.: 2212090033

Page 2 of 3
Date: 16-12-2022

I. Mechanical & Chemical

1.

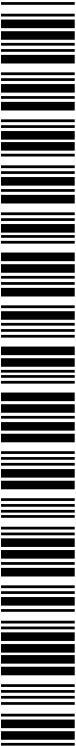
UPVC Profile Test

Test performed on : 09-12-2022 to 16-12-2022

PHYSICAL TEST REPORT

<u>TEST</u>	<u>UNIT</u>	<u>RESULT</u>	<u>TEST METHOD</u>
Density	g/cc	1.46	ISO 1183-1
Hardness	Shore D	80.0	ASTM D2240
Ball Impact hardness	N/mm ²	96.0	ISO 2039-1
Tensile Strength	N/mm ²	50.1	ISO 527
Elongation	%	90.6	ISO 527
Tensile Modulus	N/mm ²	3285.0	ISO 527
Flexural Modulus	N/mm ²	2782.0	ISO 178
Tensile Impact Strength	KJ/m ²	784.0	EN ISO 8256
Charpy Impact Strength (at 25±2°C/ Wall thickness	KJ/m ²	59.1	ISO 179-1
Vicat Softening Temperature(5 Kg)	°C	81.5	ISO 306
Water Absorption	%	0.19	ASTM D570
Shear Modulus	Mpa	1124.0	ASTM D732

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



BIS, DGQA & Various Govt. Approved Laboratory

ISO 9001 : 2015, ISO 14001:2015 & OHSAS 18001:2007 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. Samples 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 and evidence in a court of law without the written approval of the laboratory.

MSF5.10.01

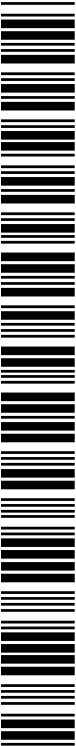


TEST REPORT

Report No.: **2212090033**

Page 3 of 3
 Date: 16-12-2022

<u>TEST</u>	<u>UNIT</u>	<u>RESULT</u>	<u>TEST METHOD</u>
Breaking Stress For Welded Corner (Mean Value)	N/mm ²	64.2	EN 514
Thermal Conductivity	W/mK	0.16	DIN 52612
Linear Thermal Expansion Coefficient (at -30°C to 50°C)	1/°C	3.15 x 10 ⁻⁵	ASTM D696
Limiting Oxygen Index	%	42.5	ASTM D2863
Heat Reversion (at 100°C for 1hrs.)	%	1.75	BS EN 479
Heat Resistance (at 150°C for 30minutes)	---	No defects observed	BS EN 478
Resistance to impact by falling mass (at 1 meter height and temp -10°C)	---	No cracks Observed	BS EN 477
Flammability	---	Self-Extinguished (Rating V-0)	UL 94



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

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




Vishal Singh Tomar
ANALYST

Authorised Signatory

BIS, DGQA & Various Govt. Approved Laboratory

ISO 9001 : 2015, ISO 14001:2015 & OHSAS 18001:2007 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. Samples 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 and evidence in a court of law without the written approval of the laboratory.

MSF5.10.01

