



ATMY ANALYTICAL LABS PVT.LTD.

(NABL/ISO 17025 Accredited Laboratory)

I-38, DLF Industrial Area, Phase-1, Faridabad (Haryana) INDIA
Phone: +91-129-4019544, 6453754
info@atmylabs.com, www.atmylabs.com

- Testing
- Research
- Innovation

TEST REPORT

Issued To :
PROFINE INDIA WINDOW TECHNOLOGY PVT LTD,
PLOT NO. 727.SAVLI INDUSTRIAL AREA
GIDC MANJUSASR,VADODRA

GUJARAT-391775

Sample / Material :
KOEMMERLING UPVC PROFILE

DOI : 01-May-2017
DOB: 20-Apr-2017

Kind Attn. :

Client Ref. No. :

Report No.: 170420005-1003

RB11\RA000\IA60145

ID-1704200013

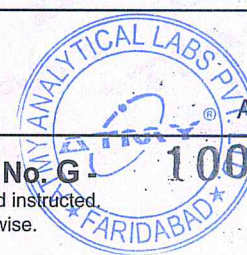
Page 1 of 2

PHYSICAL TEST REPORT

| TEST | UNIT | RESULT | TEST METHOD |
|--|-------------------|----------|----------------|
| Density | g/cm ³ | 1.46 | ASTM D792 |
| Ball Impact Hardness | N/mm ² | 95 | DIN ISO 239 T1 |
| Tensile Strength | Mpa | 50.1 | ASTM D638 |
| Elongation at Break | % | 86 | ASTM D638 |
| Tensile Modulus | Mpa | 2284 | ASTM D638 |
| Flexural Strength | Mpa | 92 | ASTM D 790 |
| Flexural Modulus | Mpa | 2602 | ASTM D 790 |
| Shore Hardness | Shore D | 84 | ASTM D2240 |
| Izod notched Impact (at 23°C/Thickness 3.18 mm) | KJ/m ² | 30 | DIN EN ISO 179 |
| Charpy Impact Strength | --- | No Break | DIN EN ISO 179 |

MSF 5.10.01

Analyst



Authorised Signatory

Terms & Conditions:

Test Certificate No. G-1003

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 on;y 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.



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Sample / Material :
 KOEMMERLING UPVC PROFILE

DOI : 01-May-2017
DOB: 20-Apr-2017

GUJARAT-391775

Kind Attn. :

Client Ref. No. :

Report No.: 170420005-1004

ID-1704200013

REVISION 001 VIA60145

PHYSICAL TEST REPORT

| TEST | UNIT | RESULT | TEST METHOD |
|--|--------|------------------------------|-----------------|
| Vicat softening Temperature (5Kg) | °C | 84 | ASTM D1525 |
| Linear thermal expansion coefficient (at -30C to +50C) | | $0.78 \times 10^{-4} K^{-1}$ | ---- |
| Thermal Conductivity | W/mK | 0.14 | DIN 52612 |
| Relative permittivity at 50 GHZ | | 3.2 | DIN 53483 |
| Volume resistivity | Ohm/cm | 10^{15} | DIN VDE 0303 T3 |
| Heat deflection temp (HDT) | °C | 84 | ISO 75 |
| Resistance to Impact by falling mass (at 1 meter Height and temp. -10°C) | --- | No cracks | BS EN 12608 |
| Heat Reversion (Main profile) | % | 1.6 | BS EN 12608 |
| Heat Resistance (at 150±2°C for 30 +3/-0 minutes) | --- | No Defects observed | BS EN 12608 |
| Limiting Oxygen Index | % | 44.0 | ASTM D2863 |
| Water Absorption | % | 0.28 | ASTM D570 |
| Stress Relief | | No blisters and cracks | IS 13592 |

MSF 5.10.01

*** End of Report***

Analyst

Authorised Signatory

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Test Certificate No. G-1004

