



# SML TESTING SERVICES

Sy No. 114/1, # 552, Bheemana Kuppe Cross, Big Banyan Tree Road, Kengeri Hobli, Bangalore-560 060.  
E-Mail: smlts.bangalore@gmail.com. Contact No.:+91 9886949301, GSTIN: 29ACWPL2288B1Z6

SMLTS

## TEST REPORT

Test report No. & Issued date	0543/2023 Date: 16/11/2023	Sample ID	2310-02-11
Customer Ref. No. & Date	Personally Submitted dated 12/10/2023	Page No	Page 1 of 2
Booking No. & Date	BG23101026 dated 12/10/2023		

### Name & Address of the Customer

M/S  
MQB Mercantiles Private Limited  
#10/2, Lotte Gollahalli  
Outer Ring Road, RMV 2<sup>nd</sup> Stage  
Bengaluru-560094  
Contact Person: Mr. C M Biddappa  
Contact Number: 9886301659

Sample Conditions: Fit for testing  
Test Location: SMLTS-Bengaluru  
Date of Receipt: 12/10/2023  
Date of Test Start: 12/10/2023  
Date of Completion: 16/11/2023  
Sample Qty: 01M \*6 Nos

### Sample details

Date of Sampling & Sampling method: Not Applicable			
Discipline:	Mechanical & Chemical	Group:	Rigid plastics
Sample Description: Sample described as "Cloister Brand UPVC windows and Doors profile"			
Test Condition	Temperature, °C	25	Relative humidity, % RH 55
Any Additional requirements: Not Applicable			

### TEST RESULTS

Sl. No.	TESTS	RESULTS	PROTOCOL
01	Colorfastness(Artificial weathering) Visual observation  Color Change, Delta E Condition: The Sample was exposed to UV light as per ASTM G154, Cycle 1 Exposure period: 7 Days(Up to Noticeable changes observed in Blue wool standard Scale 4 )	No Discoloration or any surface cracks observed Passes the test  4.2	ASTM G154, Cycle 1
02	Resistance to Impact by Falling mass, Visual observation (Weight of mass 500g from a height of 2 meters)	No Break or cracks observed	IS 4985, ANNEX C
03	Behavior after Heat Ageing (At 70°C for 96 Hours) a. Change in mass b. Change in Volume	No Change observed No Change Observed (< 0.5%)	ASTM D790

Tested By: *Karthik.K.T*  
Sign & Date: *16/11/2023*  
Name: **KARTHIK .K.T**

Reviewed & Authorized By:  
Sign & Date: *Lingegowda.Y*  
Name: **LINGEGOWDA .Y**  
*16/11/2023*  
Emp. Code: **09**

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SMLTS-01

Rev. 02,Dt. 22-11-2022



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## TEST REPORT

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Sl. No.	TESTS	RESULTS	PROTOCOL
04	Heat reversion Test: Reversion, %	3.6	Guidelines of IS 12235 (Part 5)

Any deviation/ Addition/ Exclusion to test method: Not Applicable	
Decision rule(In case of border line case): Not Applicable	
Opinion & Interpretation : Not Applicable	
NOTE	1. All the test parameters are carried out with the sample" as received condition". The results Relate only to the sample tested.

\*\*\* END OF REPORT\*\*\*

Tested By: *Karthik.K.T*  
Sign & Date: *16/11/2023*  
Name: **KARTHIK .K.T**  
Emp. Code: 06

Reviewed & Authorized By:  
Sign & Date: *Lingegowda.Y 16/11/2023*  
Name: **LINGEGOWDA .Y**  
Emp. Code: 02

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## TEST REPORT

Test report No. & Issued date	0542/2023 Date: 09/11/2023	Sample ID	2310-02-11
Customer Ref. No. & Date	Personally Submitted dated 12/10/2023	Page No	Page 1 of 1
Booking No. & Date	BG23101026 dated 12/10/2023		

### Name & Address of the Customer

M/S  
MQB Mercantiles Private Limited  
#10/2, Lotte Gollahalli  
Outer Ring Road, RMV 2<sup>nd</sup> Stage  
Bengaluru-560094  
Contact Person: Mr. C M Biddappa  
Contact Number: 9886301659

### Sample Conditions:

Fit for testing  
Test Location: SMLTS-Bengaluru  
Date of Receipt: 12/10/2023  
Date of Test Start: 12/10/2023  
Date of Completion: 09/11/2023  
Sample Qty: 01M \*6 Nos.

### Sample details

Date of Sampling & Sampling method: Not Applicable				
Discipline:	Mechanical & Chemical	Group:	Rigid plastics	
Sample Description: Sample described as "Cloister Brand UPVC windows and Doors profile"				
Test Condition	Temperature, °C	25	Relative humidity, % RH	55
Any Additional requirements: Not Applicable				

### TEST RESULTS

Sl. No.	TESTS	RESULTS	PROTOCOL
01	Density, g/cc	1.5420	ASTM D792
02	Limiting Oxygen Index, %	47	ASTM D2863
03	Flexural modulus, MPa	2570	ASTM D790
04	Water Absorption, %w/w (After 48 Hours)	0.05(< 0.1)	Guidelines of ASTM D570
05	Vicat Softening Temperature, °C	81	Guidelines of IS 6307-1985
06	Hardness, Shore D	69	ASTM D2240
07	Thermal Conductivity, w/mk	0.24	ISO 22007-2

Any deviation/ Addition/ Exclusion to test method: Not Applicable	
Decision rule(In case of border line case): Not Applicable	
Opinion & Interpretation : Not Applicable	
NOTE	1. All the test parameters are carried out with the sample" as received condition". The results Relate only to the sample tested.

\*\*\* END OF REPORT\*\*\*

Tested By:

Sign & Date: *Karthik.K.T*  
Name: *16/11/2023*

**KARTHIK .K.T**

**Emp. Code: 06**

Reviewed & Authorized By:

Sign & Date: *Lingegowda.Y*  
Name: *16/11/2023*

**LINGEGOWDA .Y**

**Emp. Code: 02**

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