

TUVRheinland TEST REPORT

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TC- 5688



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Prüfbericht - Nr.: Test Report No.:	IND/BLR/CH/2020/4429		Seite 1 von 3 Page 1 of 3		
Auftraggeber: <i>Client:</i>	NCL VEKA LIMITED 1 st Floor, Fairfield by Marriot, Financial District, Gachibowli, Nanakramguda, Hyderabad, Telangana-500032				
Gegenstand der Prüfung: <i>Test item:</i>	uPVC Profile				
Bezeichnung: <i>Identification:</i>	-	Serien-Nr.: Serial No./Document Submitted:	TRF Dated: 17.06.2020		
Wareneingangs-Nr.: <i>Receipt No.:</i>	02072020	Eingangsdatum: Date of receipt:	02.07.2020		
Order No.:	166467041	Testing Period:	13.07.2020 to 17.07.2020		
Prüfort: <i>Testing location:</i>	TÜV Rheinland India Pvt Ltd, Plot No. 27/B, 2nd Cross Road, Electronics City, Phase 1, Bangalore - 560 100, Karnataka, India.				
Prüfgrundlage: <i>Test specification:</i>	Customer's Requirement : Flexural Modulus of Elasticity And Vicat Softening Temperature according to EN 12608-1: 2016, Annex. - A				
Prüfergebnis: <i>Test Result:</i>	Refer Page No. 2 to 3				
Prüflaboratorium/ Testing Laboratory: zusammengestellt/ compiled by:		kontrolliert/ checked by:			
Reshirajan S 20.07.2020 Engineer – Polymer Section, Material Testing Laboratories, Industry Services		Ranabir Pal 20.07.2020 Sr. Manager – Polymer Section, Material Testing Laboratories, Industry Services			
Datum <i>Date</i>	Name <i>Name</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name <i>Name</i>	Unterschrift <i>Signature</i>
Sonstiges/ Other Aspects: NIL.					
Abkürzungen: ok / P = entspricht Prüfgrundlage fail / F = entspricht nicht Prüfgrundlage n.a. / N = nicht anwendbar			Abbreviations: ok / P = passed fail / F = failed n.a. / N = not applicable		
<p>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</p> <p>This test report relates to the a. M. Test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products. Test item submitted by client. Sampling not done by TUVRI. Decision rule applied at 95% confidence level of measurement uncertainty with coverage factor k=2 while stating the conformity'.</p>					

TUV Rheinland (India) Pvt. Ltd, Plot No 27B, 2nd crossRoad, Electronic City Ist Phase, Hosur Road, Bangalore – 560 100
Tel : +91-(0)80 4649 8192 , Annexure-5 of MS-0027418

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TEST RESULTS

Discipline: Mechanical
Product Group: Plastics and Plastic Products



Sample Photograph as in Received Condition

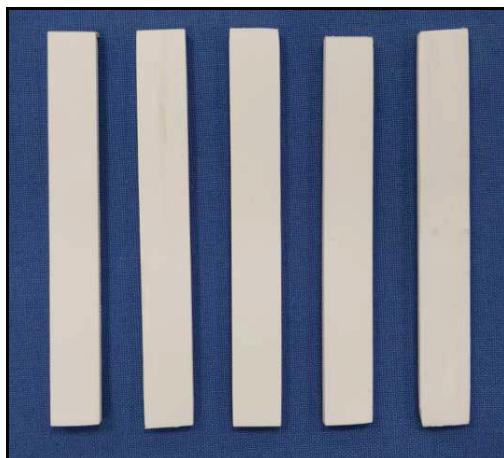
Test Name: Flexural Modulus of elasticity acc. to EN 12608-1: 2016, Annex-A

Test Method: EN 12608-1: 2016, EN ISO 178

Pre-conditioning: Conditioning period of 88 hrs. @ $23\pm2^\circ\text{C}$ & $50\pm5\%$ RH

Test Condition: Test speed: 1 mm/min

Requirement: Flexural modulus: Min. 2200 N/mm² (Average)
Each individual value \geq 2000 N/mm²



Photograph of Prepared Specimens

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Observation:

Sl. NO.	Flexural Modulus of Elasticity (N/mm ²)	Average (N/mm ²)
1	3149	3107
2	3117	
3	3005	
4	3078	
5	3189	

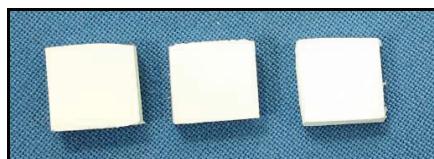
Test Name: Vicat Softening Temperature acc. to EN 12608-1: 2016, Annex-A

Test Method: EN 12608-1:2016, EN ISO 306, Method B

Pre-conditioning: Conditioning period of 88hrs. @ 23±2°C & 50±5% RH

Test Condition: 50degC / hr.

Requirement: Min. 75degC (Average)
Each individual value ≥ 73degC



Photograph of Prepared Specimens

Observations:

Specimen No.	VSP (DegC)	Average (DegC)
1	83.4	82.9
2	82.5	
3	82.9	

Conclusion: Tested sample met the requirement of Flexural Modulus and Vicat Softening Temperature test results mentioned in EN 12608-1: 2016, Annex-A.

---- End of Report ----