



NED University of Engineering & Technology, Karachi

Department of Polymer & Petrochemical Engineering



Test Report

SAY NO TO CORRUPTION

Test Report No. PPD/ATR - 13/23

Date: 31-08-2023

Name & Address of Client: Building Comforts, Office No. 4 Plot 40-C, Khayaban e Nishat Commercial DHA Phase-6 Karachi – Pakistan

Consultant's Reference: -

Item: Pronil ACR 300 (5 mm x 200 mm) Swell Bar and Building Comforts PVC Water Stopper Blue

Mark if any: None

Date of Receipt: 25-08-2023

Condition Found on Receipt: Normal

Sample Plan/Procedure Used: Samples were prepared from the sample provided by the client for testing purpose as per desired by the standard testing procedure.

Environmental Condition: As per test demand.

Temperature: 25 ± 2 °C

Humidity: 51 ± 2 %

Method Used: ASTM standard

Measurements & Results:

S. No.	Sample	Description of Test	Test Results
1.	Pronil ACR 300 (5 mm x 200 mm) Swell bar	Elongation (%) (ASTM D-638)	407
		(Absorption in Tap Water ASTM D-570 at 23 ± 2 °C) Percent Change in Mass Day 1 (24 Hours)	340 %
		(Absorption in Tap Water ASTM D-570 at 23 ± 2 °C) Percent Change in Mass Day 2 (48 Hours)	475 %
		(Absorption in Tap Water ASTM D-570 at 23 ± 2 °C) Percent Change in Mass Day 3 (72 Hours)	535 %
2.	Building Comforts PVC Water Stopper Blue (Tap Water Absorption)	Water Absorption Test (at 23 ± 2 °C for 24 hours (ASTM D-570)	0.025 %

Tested By:

Hydaj Ahmed

Checked by:

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