



**ARC INSULATION AND INSULATORS PVT LTD.**  
**VILL-RAMDEVPUR, P.O.-BAWALI, DIST-SOUTH 24 PARGANAS, PIN-743384, W.B.**

**LAB TEST REPORT**

ISSUED TO: Paharpur Cooling Towers Ltd DATE : 27.04.2024

COMPONENT/ PRODUCT: GRP PULTRUSIONS

Job No.: 24-2P0020 P.O No.: 24HPO2160

S.NO.	PARAMETER	Reference Standard	SPECIFICATION	OBSERVATION					REMARKS
<b>Mechanical Properties</b>									
1	TENSILE STRENGTH	ASTM D 638	207 N/MM <sup>2</sup>	289.56	305.26	301.54	287.65	302.78	OK
2	WATER ABSORPTION	ASTM D 570	0.50%	0.38%	0.37%	0.21%	0.39%	0.42%	OK
3	GLASS CONTENT	ASTM D 2584	Min 55%	62.47%	61.23%	64.25%	62.79%	59.25%	OK
4	BARCOL HARDNESS	ASTM D2583	Min 40	42	47	42	41	47	OK
5	FIRE RETARDENT	UL-94	V-0	OK	OK	OK	OK	OK	OK

Remarks (If any): All the above parameter confirms the product quality & Tested found OK.

	<b>Inspected By</b>
	<b>Approved BY</b>



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**LAB TEST REPORT**

ISSUED TO: Paharpur Cooling Towers Ltd DATE : 16.02.2023

COMPONENT/ PRODUCT: GRP PULTRUSIONS

Job No.: 22-2P0153 P.O No.: 22HPO8113

S.NO.	PARAMETER	Reference Standard	SPECIFICATION	OBSERVATION					REMARKS
<b>Mechanical Properties</b>									
1	TENSILE STRENGTH	ASTM D 638	207 N/MM <sup>2</sup>	281.64	302.45	294.48	285.11	302.78	OK
2	WATER ABSORPTION	ASTM D 570	0.50%	0.38%	0.37%	0.21%	0.39%	0.42%	OK
3	GLASS CONTENT	ASTM D 2584	Min 55%	62.47%	61.23%	64.25%	62.79%	59.25%	OK
4	BARCOL HARDNESS	ASTM D2583	Min 40	41	45	42	43	47	OK
5	FIRE RETARDENT	UL-94	V-1	OK	OK	OK	OK	OK	OK

Remarks (If any): All the above parameter confirms the product quality & Tested found OK.

	<b>Inspected By</b>
	<b>Approved BY</b>

