



Cert. No. TC-5097

# COMPOSITE TESTING LABORATORY

Centre of Excellence - Composites

(under Technology Mission on Technical Textiles, Ministry, Government of India)

**AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION**

P.O. AMBAWADI VISTAR, AHMEDABAD-380 015.

Phone : (079) 26307921-7922-7923-5132 (Extn. No. : 382) Fax : (079) 26304677

E-mail : composites\_testing@atira.in Website : www.atira.in

अहमदाबाद वस्त्र उद्योग अनुसंधान संस्थान

पी. ओ. आंबावाडी विस्तार, अहमदाबाद-380 015. भारत



## TEST REPORT

Format No.: COMP/19/01/01

Test Report No: COMP/CSR-5482-01/21-22	Date:10/01/2022
Lab Sample code:	CSR 5482
Name and Address of customer:	<b>ARC Insulation &amp; Insulators Pvt. Ltd</b> Vill: Ramdevpur, P.O: Bawali, Dist: South 24 Parganas, PIN: 743384, West Bengal, India.
Sample forwarding Letter No. and Date:	Date: 24/12/2021
Date of receipt of sample:	25/12/2021
<b>Sample description</b>	<b>ARC Make FRP/GRP Structural Profiles</b>
No. Of Sample	01
Date of performance of test	01/01/2022

### Test Result:

Sl. No.	Properties	Standard	Unit	Obtained Values
1	Tensile Strength	ASTM D638	MPa	307.72
2	Modulus of Elasticity	ASTM D638	GPa	33.83
3	Flexural Strength	ASTM D790	MPa	379.47
4	Flexural Modulus	ASTM D790	GPa	21.61
5	Izod Impact	ASTM D256	KJ/m2	163
6	Compressive Strength	ASTM D695	MPa	153.21
7	Compressive Modulus	ASTM D695	GPa	28.37
8	Barcol Hardness	ASTM D2583	BHU	57
9	FR Flammability	IS 6746/ASTMD635		Low
10	Oxygen Index	IS 13360-6-19/ASTMD2863	%	27

  
Tested By

  
Authorized By

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## TEST REPORT

Format No.: COMP/19/01/00

Test Report No: COMP/CSR-5482-02-21-22	Date:10/01/2022
Lab Sample code:	CSR 5482
Name and Address of customer:	<b>ARC Insulation &amp; Insulators Pvt. Ltd</b> Vill: Ramdevpur, P.O: Bawali, Dist: South 24 Parganas, PIN: 743384, West Bengal, India.
Sample forwarding Letter No. and Date:	Date: 24/12/2021
Date of receipt of sample:	25/12/2021
<b>Sample description</b>	<b>ARC Make FRP/GRP Structural Profiles</b>
No. Of Sample	01
Date of performance of test	01/01/2022

### Test Result:

Sl. No.	Properties	Standard	Unit	Obtained Values
01	Di electrical Strength Axial	ASTM D149	Kv/ 25 mm	32
02	Di electrical Strength Radial	ASTM D149	Kv/ 25 mm	14
03	Arc Resistance	ASTM D 495	sec	150
04	Comperative Tracking Index/Tracking Resistance		sec	605
05	Bearing Strength	ASTM D 953	MPa	104.93
06	Water Absorption (For 24 hours)	ASTM D570	%	0.47 %
07	Glass Content	ASTM D2584	%	67.06

  
Tested By

  
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