



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

QC REPORT

ISSUED TO: EXIDE INDUSTRIES LIMITED DATE OF ISSUE: 29.11.2023

COMPONENT/ PRODUCT: FRP Battery Stand

P.O No: 4500442861

REPORT NO.: ARC/QC/23-24/JOB-81/105

S.NO.	PARAMETER	SPECIFIED	OBSERVED			REMARKS
YHP11-15 STAND 6 Cell Dimensions						
1	LENGTH	1430 mm	1431	1431	1432	Satisfactory
	WIDTH	350 mm	351	352	352	Satisfactory
	POST HEIGHT	263 mm	263	264	264	Satisfactory
	GRATING MESH SIZE	38X38 mm	38X38	38X38	38X38	Satisfactory
	GRATING HEIGHT	38 mm	38.1	38.2	38.1	Satisfactory
YHP11-15 STAND 7 Cell Dimensions						
2	LENGTH	1666 mm	1666	1667	1667	Satisfactory
	WIDTH	350 mm	350	351	351	Satisfactory
	POST HEIGHT	263 mm	263	264	264	Satisfactory
	GRATING MESH SIZE	38X38 mm	38X38	38X38	38X38	Satisfactory
	GRATING HEIGHT	38 mm	38.1	38.2	38.1	Satisfactory
YHP17-29 STAND 5 Cell Dimensions						
3	LENGTH	1880 mm	1881	1881	1880	Satisfactory
	WIDTH	420 mm	421	420	421	Satisfactory
	POST HEIGHT	263 mm	264	263	263	Satisfactory
	GRATING MESH SIZE	38X38 mm	38X38	38X38	38X38	Satisfactory
	GRATING HEIGHT	38 mm	38.1	38.2	38.1	Satisfactory
YHP17-29 STAND 6 Cell Dimensions						
4	LENGTH	2258 mm	2259	2258	2259	Satisfactory
	WIDTH	420 mm	422	421	421	Satisfactory
	POST HEIGHT	263 mm	263	264	263	Satisfactory
	GRATING MESH SIZE	38X38 mm	38X38	38X38	38X38	Satisfactory
	GRATING HEIGHT	38 mm	38.1	38.2	38.1	Satisfactory
YHP17-29 STAND 7 Cell Dimensions						
5	LENGTH	2632 mm	2632	2632	2633	Satisfactory
	WIDTH	420 mm	421	422	421	Satisfactory
	POST HEIGHT	263 mm	264	263	264	Satisfactory
	GRATING MESH SIZE	38X38 mm	38X38	38X38	38X38	Satisfactory
	GRATING HEIGHT	38 mm	38.1	38.2	38.1	Satisfactory
YHP17-29 STAND 8 Cell Dimensions						
6	LENGTH	3008 mm	3009	3009	3010	Satisfactory
	WIDTH	420 mm	421	420	420	Satisfactory
	POST HEIGHT	263 mm	264	263	263	Satisfactory
	GRATING MESH SIZE	38X38 mm	38X38	38X38	38X38	Satisfactory
	GRATING HEIGHT	38 mm	38.1	38.2	38.1	Satisfactory

MECHANICAL & PHYSICAL TESTING

S.NO.	PARAMETER	SPECIFIED	OBSERVED			REMARKS
1	VISUAL	NO SURFACE CRACK	NO SURFACE CRACK FOUND			OK
2	COLOUR FADE @ HIGH TEMPERATURE	NO CHANGE	NO CHANGE OCCURRED			OK
3	Tensile Strength	Min 207 Mpa	346.21			Satisfactory
4	Flexural Strength	Min 207 Mpa	395.64			Satisfactory
5	Barcol Hardness	Min 35 BHU	45			Satisfactory
6	Glass Content	Min 55%	67.47			Satisfactory
7	Water Absorption	0.60%	0.23			Satisfactory
8	UDL Test on Grating 1	640 KG	Passed			Satisfactory
9	UDL Test on Grating 2	750 KG	Passed			Satisfactory
10	UDL Test on Grating 3	1155 KG	Passed			Satisfactory
11	UDL Test on Grating 4	1386 KG	Passed			Satisfactory
12	UDL Test on Grating 5	1617 KG	Passed			Satisfactory
13	UDL Test on Grating 6	1848 KG	Passed			Satisfactory

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

For, ARC Insulation & Insulators Pvt. Ltd.