



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

**QC REPORT**

**ISSUED TO:** Al Shallal Joint General Trading & Contracting Co. (SLP) **DATE OF ISSUE:** 22.08.2023

**COMPONENT/ PRODUCT:** GRP Ladder

**P.O No:** AJC/P3/0G90

S.NO.	PARAMETER	SPECIFIED	OBSERVED			REMARKS
<b>Walkway Dimensions</b>						
1	Length	1400 mm	1400	1401	1401	Satisfactory
	Inside Width	400 mm	401	402	401	Satisfactory
	Outside Width	500 mm	501	502	501	Satisfactory
	Rung Spacing	250 mm	250	251	250	Satisfactory
	Cleat Length	200 mm	201	201	202	Satisfactory
	Cleat Width	100 mm	101	100	101	Satisfactory
	Cleat Height	75 mm	75	76	76	Satisfactory
	Cleat Thickness	10 mm	10.2	10.1	10.2	Satisfactory
2	Length	3000 mm	3001	3000	3001	Satisfactory
	Inside Width	400 mm	401	400	400	Satisfactory
	Outside Width	500 mm	501	500	500	Satisfactory
	Rung Spacing	250 mm	250	250	251	Satisfactory
	Cleat Length	200 mm	200	200	201	Satisfactory
	Cleat Width	100 mm	101	100	100	Satisfactory
	Cleat Height	75 mm	76	76	76	Satisfactory
	Cleat Thickness	10 mm	10.2	10.2	10.3	Satisfactory
3	Length	3400 mm	3402	3401	3401	Satisfactory
	Inside Width	400 mm	401	401	402	Satisfactory
	Outside Width	500 mm	501	501	502	Satisfactory
	Rung Spacing	250 mm	250	250	250	Satisfactory
	Cleat Length	200 mm	200	200	201	Satisfactory
	Cleat Width	100 mm	100	101	101	Satisfactory
	Cleat Height	75 mm	76	76	75	Satisfactory
	Cleat Thickness	10 mm	10.2	10.1	10.1	Satisfactory

**MECHANICAL & PHYSICAL TESTING**

S.NO.	PARAMETER	SPECIFIED	OBSERVED		REMARKS
4	Tensile Strength	Min 207 Mpa	315.16 Mpa		Satisfactory
5	Flexural Strength	Min 207 Mpa	307.88 Mpa		Satisfactory
6	Short Beam Shear	Min 31 Mpa	33.7 Mpa		Satisfactory
7	Barcol Hardness	Min 35 BHU	44 BHU		Satisfactory
8	Glass Content	Min 55%	67.66		Satisfactory
9	Water Absorption 24 H immersion	0.60%	0.15		Satisfactory

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

ARC Insulation & Insulators Pvt. Ltd.  
Kolkata

**For, ARC Insulation & Insulators Pvt. Ltd.**