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Mechanics Testing Center TEST REPORT

Report No. P20230331D

Applicant: Repra BV
Product Name: GFRP dowel bars
Size: 25mm dia. X600mm

Samples Receipt: 2023-03-30
Batch No. 20230301S
Date: 2023-03-31

Test Results

Item	Property	Test method	Standard	Test results
1	Diameter	vernier Caliper	25.0+/-0.10mm	24.94-24.96mm
2	Length	tape measure	600+/-2.0mm	599-601mm
3	Fiberglass content	ASTM D2584	>=70%	74.82%
4	Shor beam shear strength	ASTM D4475	>=44 Mpa	45.72 Mpa
5	Double shear strength	ASTM D7617	>=135 Mpa	148.83 Mpa
6	24 hour moisture absorpior	ASTM D570	<=0.25%	0.16%

APPENDIX: Typical force-deflection curves and detail test results

Short beam shear test			Double Shear test		
Shrot Beam Shear test by ASTM D4475			Double Shear test by ASTM D7617		
Specimen No.	Breaking Force(KN)	Shear strength (Mpa)	Specimen No.	Breaking Force(KN)	Shear strength (Mpa)
#1	33.32	45.26	#1	145.40	148.18
#2	34.26	46.54	#2	148.53	151.37
#3	32.58	44.26	#3	145.37	148.15
#4	33.72	45.81	#4	146.22	149.01
#5	34.41	46.74	#5	144.69	147.45
Average	33.66	45.72	Average	146.04	148.83

Tested By: 张洁
Name: Zhang Jie
Date: 2023-03-31

Certified By: 韩强
Name: Han Qiang
Date: 2023-03-31

According to the original test reports of the testing laboratory

This test report only applies to the specimes tested.

