

ภาคผนวก ข
ผลการทดสอบ

ตาราง ข.1 แสดงผลการทดสอบเชิงกล

Sample Name	Properties	Standard Method	Result	Unit
1. Plam + E-glass Fiber Length 5 mm. Weight 5	1. Tensile Strength	ASTM D412	2±0.2	MPa
	2. Elongation at break	ASTM D412	50±5	%
	3. Hardness Shore A	ASTMD2240	64.1±0.6	-
2. Plam + E-glass Fiber Length 5 mm. Weight10	1. Tensile Strength	ASTM D412	2±0.1	MPa
	2. Elongation at break	ASTM D412	39±6	%
	3. Hardness Shore A	ASTMD2240	65.5±0.7	-
3. Plam + E-glass Fiber Length 10 mm. Weight 5	1. Tensile Strength	ASTM D412	2.3±0.2	MPa
	2. Elongation at break	ASTM D412	29±3	%
	3. Hardness Shore A	ASTMD2240	67.6±1	-
4. Plam + E-glass Fiber Length 10 mm. Weight 10	1. Tensile Strength	ASTM D412	2.2±0.1	MPa
	2. Elongation at break	ASTM D412	40±3	%
	3. Hardness Shore A	ASTMD2240	72.3±0.3	-
5. Betel Nut+E-glass Fiber Length 5 mm. Weight 5	1. Tensile Strength	ASTM D412	2.2±0.2	MPa
	2. Elongation at break	ASTM D412	33±5	%
	3. Hardness Shore A	ASTMD2240	64.5±0.2	-
6. Betel Nut + E-glass Fiber Length 5 mm. Weight 10	1. Tensile Strength	ASTM D412	2±0.1	MPa
	2. Elongation at break	ASTM D412	31±4	%
	3. Hardness Shore A	ASTMD2240	68.84±1	-
7. Betel Nut + E-glass Fiber Length 10 mm. Weight 5	1. Tensile Strength	ASTM D412	2.4±0.1	MPa
	2. Elongation at break	ASTM D412	29±5	%
	3. Hardness Shore A	ASTMD2240	72.4±0.3	-
8 Betel Nut + E-glass Fiber Length 10 mm. Weight 10	1. Tensile Strength	ASTM D412	2.4±0.1	MPa
	2. Elongation at break	ASTM D412	30±6	%
	3. Hardness Shore A	ASTMD2240	71.3±0.5	-
9. Coconut + E-glass Fiber Length 5 mm. Weight 5	1. Tensile Strength	ASTM D412	2.2±0.2	MPa
	2. Elongation at break	ASTM D412	45±3	%
	3. Hardness Shore A	ASTMD2240	66.2±0.2	-

Sample Name	Properties	Standard Method	Result	Unit
10. Coconut + E-glass Fiber Length 5 mm. Weight 10	1. Tensile Strength	ASTM D412	2±0.2	MPa
	2. Elongation at break	ASTM D412	37±4	%
	3. Hardness Shore A	ASTMD2240	66.1±0.2	-
11. Coconut + E-glass Fiber Length 10 mm. Weight 5	1. Tensile Strength	ASTM D412	2.4±0.2	MPa
	2. Elongation at break	ASTM D412	37±7	%
	3. Hardness Shore A	ASTMD2240	71.2±0.7	-
12. Coconut + E-glass Fiber Length 10 mm. Weight 10	1. Tensile Strength	ASTM D412	2.2±0.2	MPa
	2. Elongation at break	ASTM D412	30±7	%
	3. Hardness Shore A	ASTMD2240	71.9±0.1	-