

**FABRICATION AND PROPERTIES OF MULTI-
WALLED CARBON NANOTUBES FILLED
WOVEN GLASS FIBRE REINFORCED EPOXY
LAMINATED HYBRID COMPOSITES**

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REINFORCED EPOXY LAMINATED HYBRID COMPOSITES**

by

WAN DALINA BINTI WAN AHMAD DAHALAN

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TABLE OF CONTENTS

	Page
ACKNOWLEDGEMENTS	ii
TABLE OF CONTENTS	iii
LIST OF TABLES	xi
LIST OF FIGURES	xiv
LIST OF ABBREVIATIONS	xxiii
LIST OF SYMBOLS	xxv
ABSTRAK	xxvii
ABSTRACT	xxix
CHAPTER ONE: INTRODUCTION	
1.1. Background	1
1.2. Problem Statements	4
1.3. Objectives	7
1.4. Thesis outline	7
CHAPTER TWO: LITERATURE REVIEW	
2.1 Overview of carbon nanotubes	10
2.1.1 Types of CNTs	10
2.1.2 Properties of CNTs	11
2.1.3 Other carbonaceous nanofillers	12
2.2 Dispersion methods of CNTs	13
2.2.1 Mechanical dispersion of CNTs	13

	Page
2.2.1(a) Ultrasonication method	14
2.2.1(b) Calendering method	15
2.2.1(c) Ball milling	16
2.2.1(d) Stir and extrusion	17
2.2.2 CNTs dispersion in liquid media	17
2.2.2(a) Dispersion in water and organic solvents	18
2.2.2(b) Dispersion of CNTs in polymer	20
2.2.3 Dispersion of CNTs in surfactant	21
2.2.3(a) Dispersion of CNTs in nonionic surfactant	22
2.3 CNT/polymer nanocomposites	23
2.3.1 Introduction to CNT/polymer nanocomposites	24
2.3.2 Fabrication methods of CNT/polymer nanocomposites	24
2.3.2(a) Solution mixing	25
2.3.2(b) Melt blending	25
2.3.2(c) Other methods	26
2.4 CNT buckypaper/polymer nanocomposites	27
2.4.1 Introduction to CNT buckypaper	27
2.4.2 Buckypapers fabrication methods	28
2.4.2(a) Vacuum assisted filtration method	29
2.4.2(b) Electrophoretical deposition method	30
2.4.2(c) Magnetically aligned	31

	Page	
2.4.3	Fabrication of CNT buckypaper/polymer nanocomposites	32
	2.4.3(a) Vacuum assisted method	33
	2.4.3(b) Casting method	34
2.4.4	Properties of CNT buckypapers nanocomposites	35
	2.4.4(a) Surface topography and texture of the buckypaper	36
	2.4.4(b) Tensile properties of the buckypaper	37
	2.4.4(c) Thermomechanical properties of buckypaper	39
	2.4.4(d) Electrical conductivities of the buckypaper	40
2.5	Introduction to hybrid composites	42
2.5.1	Hybrid composites of glass fibre/thermoset laminated composites	43
2.5.2	CNT/glass fibre/thermoset laminated hybrid composites	44
2.5.3	Integration methods of CNTs into the hybrid composites	45
	2.5.3(a) Addition of CNTs into the polymer matrix	45
	2.5.3(b) Addition of CNTs onthe fibre reinforcement	46
	2.5.3(c) Incorporation of CNT films	46
2.5.4	Fibre reinforced polymer composite fabrication methods	47
	2.5.4(a) Hand lay-up technique	48
	2.5.4(b) Hand spray-up technique	49
	2.5.4(c) Combination of hand or spray lay-up with vacuum bag moulding	49

	Page
2.5.5 Previous works on CNT/glass fibre/thermoset laminated hybrid composites	50
 CHAPTER THREE: MATERIALS AND METHODOLGY 	
3.1 Introduction	53
3.2 Materials	53
3.2.1 Introduction	53
3.2.2 Woven glass fabric	54
3.2.3 Epoxy resin and curing agent	54
3.2.4 Multi-walled carbon nanotubes	55
3.2.5 Dispersing agents	55
3.2.5(a) Triton X-100 surfactant	56
3.2.5(b) Chinese black ink	56
3.2.6 Membrane filter	57
3.3 Experimental methods	57
3.3.1 Introduction	57
3.3.2 Research overview	58
3.3.3 Stage 1:Effect of filler loadings and pressures on MWCNT buckypaper and epoxy-filled MWCNT buckypaper composites	60
3.3.3(a) Preparation of MWCNT buckypaper with dispersing agent	60
3.3.3(b) Fabrication epoxy-filled buckypaper composites	61

	Page
3.3.4 Stage 2: The effect of incorporating MWCNT buckypaper/GF epoxy laminated composites	63
3.3.4(a) Preparation of GF/epoxy laminated composites (control samples)	64
3.3.4(b) Preparation of MWCNT buckypaper/GF/epoxy laminated composites	65
3.3.4(c) Preparation of MWCNT/GF/epoxy laminated composites (CNT1.4) by spreading method	66
3.3.5 Stage 3: Effect of ink loading on the properties of MWCNT/GF/epoxy laminated composites	68
3.3.6 Stage 4: Effect of MWCNT loading on the properties of MWCNT/GF/epoxy laminated composites incorporation by spreading and spraying method	69
3.4 Characterizations	71
3.4.1 Introduction	71
3.4.2 Morphology studies	71
3.4.2(a) Atomic force microscopy	71
3.4.2(b) Field emission scanning electron microscopy	72
3.4.2(c) Transmission electron microscopy	72
3.4.3 Fourier transform infrared spectroscopy	72
3.4.4 Electrical conductivity	73
3.4.5 Density	73
3.4.6 Void content	74

	Page
3.4.7 Mechanical properties	74
3.4.7(a) Tensile properties	74
3.4.7(b) Flexural properties	75
3.4.7(c) Short beam test	75
3.4.7(d) Impact test	75
3.4.8 Dynamic mechanical analysis	76
3.4.9 Filler adhesion test	76
3.4.10 Dispersion stability test	77

CHAPTER FOUR: RESULTS AND DISCUSSION

4.1 Introduction	79
4.2 Effect of different MWCNT loading and vacuum pressure on the MWCNT buckypaper composites	79
4.2.1 Surface topography and roughness	81
4.2.2 Density and void content	85
4.2.3 Tensile properties and fractured surface morphology	87
4.2.4 Dynamic mechanical analysis	95
4.2.5 Electrical conductivity	99
4.2.6 Buckypaper selection as reinforcement in glass fibre/epoxy laminated composites	101
4.3 Effect of incorporation of MWCNT buckypaper into glass fibre/epoxy laminated composites	102
4.3.1 Density and void content	102

	Page	
4.3.2	Flexural properties	104
4.3.3	Morphology of fractured surface	108
4.3.4	Thermomechanical properties	112
4.4	Effect of ink loading on the properties of MWCNT/glass fibre/epoxy hybrid composite laminates	116
4.4.1	Characterization of MWCNT and Chinese black ink	116
4.4.2	Fabric surface observation by scanning electron microscopy	119
4.4.3	MWCNT adhesion properties and dispersion stability	121
4.4.4	Density and void content	124
4.4.5	Flexural properties	126
4.4.6	Morphology of fractured surface	129
4.4.7	Thermomechanical properties	132
4.4.8	Impact test	136
4.5	Incorporation of ink/MWCNT in glass fibre/epoxy laminated composites using spreading and spraying methods	137
4.5.1	Density and void content	137
4.5.2	Flexural properties	139
4.5.3	Filler adhesion test and fabric surface observation	144
4.5.4	Fractured surface morphology	146
4.5.5	Thermomechanical properties	149
4.5.6	Impact test	154
4.5.7	Interlaminar shear strength	155

	Page	
4.6	Comparison on the properties of the laminated composites	158
4.6.1	Comparison between the laminated composites fabricated in the present study	158
4.6.2	Properties comparison of the hybrid laminated composites in the present study with the previous works	160

CHAPTER FIVE: CONCLUSIONS AND SUGGESTIONS FOR FUTURE WORKS

5.1	Conclusions	163
5.2	Suggestions for future works	166

REFERENCES	167
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APPENDICES

Appendix A [Calculation of vol % of MWCNT in CNTBP and the
amount of epoxy in CNTBP and CNTBPE]

Appendix B [Calculation of amount of MWCNT and Chinese black ink
for dispersion stability test]

LIST OF PUBLICATIONS AND CONFERENCES

LIST OF TABLES

	Page
Table 2.1 Physical and mechanical properties of SWCNTs and MWCNTs (Ma <i>et al.</i> , 2010; Ma and Kim, 2011).	12
Table 2.2 The tensile properties of the buckypaper prepared by different methods.	38
Table 2.3 The thermomechanical properties of the buckypaper nanocomposites prepared in the previous studies.	40
Table 2.4 The electrical conductivities of the buckypaper nanocomposites fabricated by different methods.	41
Table 2.5 Varieties of hybrid laminated composites of CNT/GF/thermosetting polymer.	52
Table 3.1 Typical properties of D.E.R332 TM resin and curing agent of polyetheramine D230 as supplied by the manufacturer.	55
Table 3.2 The typical ingredients of the Chinese ink and their functions (Kunjappu, 2003).	57
Table 3.3 Sample designation of MWCNTBP with different MWCNT loadings and filtered at different vacuum pressures.	63
Table 3.4 The sample designation of the hybrid composites and control samples in Stage 2.	64

	Page	
Table 3.5	The sample designation of the control and hybrid composites samples involved in Stage 3.	69
Table 3.6	The sample designation of the control samples as well as the hybrid composite samples fabricated in Stage 4.	70
Table 4.1	Thickness of MWCNT buckypaper with different filler loading filtered at different vacuum pressure.	86
Table 4.2	The T_g and tan delta of unfilled epoxy buckypaper/epoxy composites.	99
Table 4.3	The density and void contents of control samples in comparison to the hybrid composites of CNTBP and CNTBPE.	103
Table 4.4	Specific strength and specific modulus of the control and hybrid composites samples.	108
Table 4.5	The T_g and tan delta of 3GF, 4GF, CNTBP and CNTBPE.	115
Table 4.6	The density and void contents of the composite samples with different MWCNT and Chinese black ink loadings.	125
Table 4.7	Specific strength and specific modulus of the control and hybrid composites samples with different ink loading.	129
Table 4.8	The T_g and the tan delta of the control samples and the Chinese ink facilitated hybrid composites of CNT1.4/INK1.4 and CNT1.4/INK5.6.	136

	Page	
Table 4.9	Impact strength of the control samples in compared to ink facilitated hybrid composites of CNT1.4/INK1.4, CNT1.4/INK2.8 and CNT1.4/INK5.6.	137
Table 4.10	The density and the void content of control samples as well as the hybrid composites prepared by spreading and spraying method.	139
Table 4.11	The T_g and the tan delta of the control sample and the Chinese ink facilitated hybrid composites of CNT0.4, CNT0.6 and CNT0.6S.	153
Table 4.12	Impact strength of control samples and the Chinese ink-facilitated hybrid composites prepared by different methods.	154
Table 4.13	ILSS of the control composites and the Chinese ink-facilitated hybrid composites prepared by different methods.	157
Table 4.14	Properties of the control samples (3GF and 4GF) and the best hybrid composites fabricated in Stages 2, 3 and 4.	159
Table 4.15	The properties of composites of 3GF and CNT0.6 in compared to the other hybrid GF/epoxy composite laminates.	161

LIST OF FIGURES

	Page	
Figure 2.1	The schematic diagram of the formation of a CNT with three different chiralities; A: armchair; B: zigzag; C: chiral (Ma <i>et al.</i> , 2010).	11
Figure 2.2	Ultrasonication method utilized to disperse the nanoparticles; (a) ultrasonic probe; (b) ultrasonic bath.	15
Figure 2.3	The schematic diagram of the calendering machine (Ma <i>et al.</i> , 2010).	16
Figure 2.4	Schematic diagram of the ball milling (Ma <i>et al.</i> , 2010).	17
Figure 2.5	Examples of fabrication methods of buckypapers; (a) vacuum filtration; (b) frit compression; (c) electrophoretic deposition (EPD).	29
Figure 2.6	Overview of the shear pressing CNTs arrays; (a) a schematic diagram of the morphology of the shear pressing technique; (b) the close up of the parallel plates before shear press procedure; (c) the aligned CNTs preform being removed from the substrate by using flat tweezers (Bradford <i>et al.</i> , 2010).	32
Figure 2.7	Vacuum bagging procedure carried out to enable impregnation of the polymer binder through the buckypaper (Chapartegui <i>et al.</i> , 2012).	34
Figure 2.8	Epoxy impregnation procedure by casting method (Han <i>et al.</i> , 2015b).	35

	Page	
Figure 2.9	AFM topography and roughness factor (R_a) of the buckypaper (Ansón-Casaos <i>et al.</i> , 2010).	36
Figure 2.10	Principle of the vacuum bag moulding utilized after hand or spray lay-up (Bhandakkar <i>et al.</i> , 2014).	50
Figure 3.1	Chinese black ink used in this research, Kin's ink liquid.	56
Figure 3.2	Overview of the present study.	59
Figure 3.3	The schematic diagram of the buckypaper fabrication process.	61
Figure 3.4	Vacuum bagging procedure diagram for epoxy impregnation.	62
Figure 3.5	The schematic diagram of the process utilized in fabrication of CNTBP and CNTBPE.	66
Figure 3.6	The hand lay-up and vacuum bagging procedure performed in the fabrication of MWCNT/GF/epoxy laminated composites.	67
Figure 4.1	MWCNT buckypaper fabricated with 100 mg MWCNT filler loading and filtered at 30 kPa vacuum pressure; (a) buckypaper broken into smaller pieces; (b) tiny holes covered the surface of the buckypaper.	80

	Page	
Figure 4.2	The improved quality of MWCNT buckypaper with 150 mg filler loading filtered at 30 kPa vacuum pressure; (a) MWCNT buckypaper; (b) flexible epoxy-impregnated buckypaper.	81
Figure 4.3	AFM topography of buckypaper with vary filler loading and filtered at different vacuum pressure; (a) BP150-30; (b) BP150-40; (c) BP200-30; (d) BP200-40; (e) BP300-40.	83
Figure 4.4	Tensile strength of unfilled epoxy and epoxy-filled buckypaper at different filler loading.	88
Figure 4.5	The cross-sectional micrograph of fractured sample observed at 30 K magnification; (a) BP150-30 (b) BP150-40.	90
Figure 4.6	The comparison of the cross-section of fractured surface morphology of epoxy-filled buckypapers; (a) BP150-30 at (i) 500 x and (ii) 10 k x magnification; (b) BP200-30 at 500 x (i), (ii) 10 k x magnification, (iii) 5 k x and (iv) 10 k x magnification.	91
Figure 4.7	The cross-sectional micrograph of fractured sample observed at 30 K magnification; (a) BP300-30; (b) BP300-40.	93
Figure 4.8	The tensile modulus of the epoxy-filled buckypaper composites in compared to the unfilled epoxy.	94

	Page
Figure 4.9	The storage modulus of the BP150-30, BP150-40, BP200-30 and BP300-30 in compared to unfilled epoxy. 96
Figure 4.10	The tan delta of the BP150-30, BP150-40, BP200-30 and BP300-30 in compared to unfilled epoxy. 98
Figure 4.11	The electrical conductivity of the epoxy-filled buckypapers at varies filler loading and filtered at different pressures (Noted electrical conductivity of the unfilled epoxy is $5.35 \times 10^{-4} \text{ Scm}^{-1}$). 100
Figure 4.12	The flexural strength and flexural modulus of CNTBP and CNTBPE in comparison to the control samples of 3GF, 4GF and CNT1.4. 106
Figure 4.13	Stress-strain curve of 3GF and 4GF and hybrid composites of CNTBP, CBTBPE and CNT1.4. 107
Figure 4.14	The fractured surface of CNT1.4; (a) overall fractured surface at 25 x magnification; (b) failure along the matrix on the surface spread with MWCNT at 30 k x magnification; (c) and (d) void in the epoxy matrix at 10 k x and 30 k x magnification, respectively. 109
Figure 4.15	Fractured surface of CNTBP sample; (a) overall fracture surface at 25 x magnification; (b) fibre broken in the composite at 100 x magnification; (c) failure in the matrix-buckypaper interface at 5K x magnification; (d) cracks in the fibre propagated along the fibre-matrix interface at 1K x magnification. 110

	Page	
Figure 4.16	Fractured surface of CNTBPE sample; (a) overall fracture surface at 25 x magnification; (b) fibre broken in the composite at 100 x magnification; (c) failure in the matrix-MWCNTBP/epoxy interface at 5K x magnification; (d) cracks in the fibre propagated along the fibre-matrix interface at 1K x magnification.	112
Figure 4.17	The storage modulus of control samples and hybrid composites of CNTBP and CNTBPE.	113
Figure 4.18	The variations of the loss modulus of the composites as a function of the temperature.	114
Figure 4.19	The tan delta of 3GF, 4GF, CNTBP and CNTBPE.	115
Figure 4.20	The images of MWCNT and ink mixture observed under high resolution TEM; (a) MWCNT at 38 k x magnification (insert image at 880 k x magnification); (b) ink at 19 k x magnification (insert image at 1 M x magnification); (c) MWCNT/ink at 38 k x magnification (insert image at 400 k x magnification).	117
Figure 4.21	FTIR spectra's of pristine MWCNT and MWCNT/ink utilized in this research	118
Figure 4.22	The surface of glass fabrics spread with ink and MWCNT; (a) fabric spread with ink; (b) fabric of CNT1.4 ((i) at 500 x magnification and (ii) 30 k x magnification).	119

	Page	
Figure 4.23	The surface of glass fabrics spread with 1.4 vol % of MWCNT but different ink loading; (a) fabric of CNT1.4/INK1.4; (b) fabric of CNT1.4/INK5.6 ((i) at 500 x magnification and (ii) 30 k x magnification).	121
Figure 4.24	The surface of the adhesive tape attached to the glass fabric spread with ink and MWCNT; (a) ink; (b) CNT1.4; (c) CNT1.4/INK1.4; (d) CNT1.4/INK5.6.	122
Figure 4.25	The condition of MWCNT suspended solution with 1.4 vol % MWCNT content with and without ink loading; (a) without ink; (b) with 1.4 vol % ink; (c) with 2.8 vol % ink; (d) with 5.6 vol % ink (observation was made 10 minutes after ultrasonication for (a) and one hour after ultrasonication for (b – d)).	123
Figure 4.26	Flexural strength and modulus of the control samples of 3GF, 4GF and CNT1.4 in comparison to the hybrid sample with different ink loading.	127
Figure 4.27	Representative stress-strain curves of the control samples (3GF, 4GF, CNT1.4) and hybrid composites of CNT1.4/INK1.4, CNT1.4/INK2.8 and CNT1.4/INK5.6.	128
Figure 4.28	Fracture surface of 3GF composites; (a) at magnification of 25 x; (b) at magnification of 1.0 k x.	129

	Page	
Figure 4.29	Fractured surface of the hybrid composites; (a) CNT1.4/INK1.4; (b) CNT1.4/INK5.6 ((i) at magnification of 25 x; (ii) at magnification of 100 x; (iii) at magnification of 30 k x; (iv) at magnification of 1.0 k x).	131
Figure 4.30	Storage modulus of the control composite samples and the ink facilitated hybrid composites of CNT1.4/INK1.4 and CNT1.4/INK5.6.	133
Figure 4.31	Loss modulus of the control sample and the Chinese ink-facilitated hybrid composites of CNT1.4/INK1.4 and CNT1.4/INK5.6.	134
Figure 4.32	Tan delta of the control sample and the Chinese ink facilitated hybrid composites of CNT1.4/INK1.4 and CNT1.4/INK5.6.	135
Figure 4.33	The variation of the flexural strength of the hybrid composites with different filler loading prepared by different method in compared to the control sample.	140
Figure 4.34	Flexural modulus of the control composite samples as well as the composites prepared by spreading and spraying method.	143
Figure 4.35	The surface of the adhesive tape detached from the glass fabric in filler adhesion test of control sample and selected hybrid composite samples; (a) CNT0.4C; (b) CNT0.6; (c) CNT1.0.	144

	Page
Figure 4.36	The surface of fabrics spread with ink/MWCNT observed under the SEM at magnification 10 k x; (a) CNT0.6; (b) CNT1.0; CNT0.6; CNT1.0. 145
Figure 4.37	Surface of the woven GF being either spread or sprayed with 0.6 vol % MWCNTs dispersed in ink; (a) spreading method; (b) spraying method. 146
Figure 4.38	The fractured surface micrographs of CNT0.6; (a) at 25 x magnification; (b) at 30 k x magnification; (c) at 100 x magnification; (d) at 1 k x magnification. 147
Figure 4.39	The fractured surface micrographs of CNT0.6S; (a) at 25 x magnification; (b) at 250 k x magnification; (c) at 100 x magnification; (d) at 1 k x magnification (insert image at 30 k x magnification). 148
Figure 4.40	The fractured surface micrographs of CNT1.0S; (a) at 25 x magnification; (b) at 30 k x magnification; (c) at 1 k x magnification. 149
Figure 4.41	Storage modulus of CNT0.4, CNT0.6 and CNT0.6S in compared to laminated control composites of 3GF, 4GF and CNT0.4C. 150
Figure 4.42	Variations of the loss modulus of 3GF, 4GF, CNT0.4C and Chinese ink-facilitated hybrid laminated composites as a function of the temperature. 151

	Page
Figure 4.43	152
T _g and tan delta of hybrid ink-facilitated laminated composites in compared to the control samples of 3GF, 4GF and CNT0.4C.	
Figure 4.44	162
Graph of flexural modulus against flexural strength of the hybrid composite of the CNT0.6 in comparison with composites of the previous works.	

LIST OF ABBREVIATIONS

FRPCs	Fibre reinforced polymer composites
CNTs	Carbon nanotubes
MWCNT	Multi-walled carbon nanotubes
GFRPC	Glass fibre reinforced polymer composites
ILSS	Interlaminar shear strength
CVD	Chemical vapour deposition
SWCNT	Single -walled carbon nanotubes
PMC	Polymer matrix composites
GNP	Graphene nanopowder
DMF	Dimethylformamide
TX100	Triton X-100
EPD	Electrophoretical deposition method
PAHs	Polycyclic aromatic hydrocarbon
DGEBA	Diglycidyl ether of bisphenol A
DGEBF	Diglycidyl ether of bisphenol F
TGAP	Triglycidyl-p-aminophenol
TGMDA	Tetraglycidyl methylene dianiline
PVDF	Polyvinylidene fluoride
PVA	Polyvinyl alcohol
AFM	Atomic force microscope
T _g	Glass transition temperature
PEI	Poly (ether imide)
GF	Glass fibre