



McGILL UNIVERSITY

MECHANICS OF COMPOSITE MATERIALS

MECH 530

Assignment

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	ϵ_1	ϵ_2	ϵ_6	ϵ_x	ϵ_y	ϵ_s	σ_1	σ_2	σ_6
Ply 0 (0°) bottom	0.0175	-0.0061	-0.0001	0.0175	-0.0061	-0.0001	2.3481	-0.0102	-0.0005
Ply 0 (0°) top	0.0172	-0.0059	-0.0001	0.0172	-0.0059	-0.0001	2.2970	-0.0100	-0.0005
Ply 1 (0°) bottom	0.0172	-0.0059	-0.0001	0.0172	-0.0059	-0.0001	2.2970	-0.0100	-0.0005
Ply 1 (0°) top	0.0168	-0.0058	-0.0001	0.0168	-0.0058	-0.0001	2.2460	-0.0098	-0.0005
Ply 2 (25°) bottom	0.0168	-0.0058	-0.0001	0.0127	-0.0017	-0.0174	1.7083	0.0164	-0.0885
Ply 2 (25°) top	0.0164	-0.0057	-0.0001	0.0124	-0.0017	-0.0170	1.6695	0.0161	-0.0865
Ply 3 (-25°) bottom	0.0164	-0.0057	-0.0001	0.0125	-0.0018	0.0168	1.6787	0.0156	0.0859
Ply 3 (-25°) top	0.0160	-0.0055	-0.0001	0.0122	-0.0017	0.0164	1.6397	0.0152	0.0839
Ply 4 (0°) bottom	0.0160	-0.0055	-0.0001	0.0160	-0.0055	-0.0001	2.1439	-0.0093	-0.0005
Ply 4 (0°) top	0.0156	-0.0054	-0.0001	0.0156	-0.0054	-0.0001	2.0928	-0.0091	-0.0004
Ply 5 (0°) bottom	0.0156	-0.0054	-0.0001	0.0156	-0.0054	-0.0001	2.0928	-0.0091	-0.0004
Ply 5 (0°) top	0.0153	-0.0053	-0.0001	0.0153	-0.0053	-0.0001	2.0418	-0.0089	-0.0004