

Layer no.	Material	Thickness [mm]	Angle (°)
1	PLA_55	0.125	0
2	PLA_55	0.125	90
3	PLA_55	0.125	45
4	PLA_55	0.125	-45
5	PLA_55	0.125	-45
6	PLA_55	0.125	45
7	PLA_55	0.125	90
8	PLA_55	0.125	0
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
Total thickness		1.000 mm	

Temperature gradient from
Delta T

Applied Loading [N.m²]
N_x
N_y
N_xy
M_x
M_y
M_xy

Equivalent laminate properties
E_xx [GPa]
E_yy [GPa]
v_xy
v_yx
G_xy [GPa]

Tsai-Hill failure prediction
Stress @ First failure [MPa]
Strain @ First failure [%]
First layer(s) to fail

cure:
0

1]
91900
0
0
0
0
0

rties
5.4
5.4
0.081
0.081
2.5

n
92
1.69%







