

P1550 Concept Screening Trials						
Trial 1- Materials	Ninja Flex	Filla Flex	Combo			
Trial 2- Density	5%	15%	25%	Combo		
Trial 3- Layers	1	2	3			
Trial 4- Infill	Hexagon	Square	Triangle	Circle	Combo	
Trial 5- Filler	Air	Gel	Combo			
Trial 1	Ninja Flex, 15%, 1 Layer, Hexagon, Air	Filla Flex, 15%, 1 Layer, Hexagon, Air	Combo, 15%, 2 Layers, Hexagon, Air	NINJA FLEX		
Trial 2	Ninja Flex, 5%, 1 Layer, Hexagon, Air	Ninja Flex, 15%, 1 Layer, Hexagon, Air	Ninja Flex, 25%, 1 Layer, Air	Ninja Flex, 5% and 25%, 2 Layers, Air	15%	
Trial 3	Ninja Flex, 15%, 1 Layer, Hexagon, Air	Ninja Flex, 15%, 2 Layers, Hexagon, Air	Ninja Flex, 15%, 3 Layers, Hexagon, Air	2 LAYERS		
Trial 4	Ninja Flex, 15%, 2 Layers, Hexagon, Air	Ninja Flex, 15%, 2 Layers, Square, Air	Ninja Flex, 15%, 2 Layers, Triangle, Air	Ninja Flex, 15%, 2 Layers, Circle, Air	Ninja Flex, 15%, 2 Layers, Combo, Air	HEXAGON
Trial 5	Ninja Flex, 15%, 2 Layers, Hexagon, Air	Ninja Flex, 15%, 2 Layers, Hexagon, Gel	Ninja Flex, 15%, 2 Layers, Hexagon, Combo	AIR		

	A	B	C	D	E	F	G
1	P15550						
2	Screening Example: Infill Trial						
3	Concepts						
4	A	B	C	D	E	G	
5	Ninja Flex, 15%, 1 Layer, Hexagon, Air	Ninja Flex, 15%, 1 Layer, Square, Air	Ninja Flex, 15%, 1 Layer, Triangle, Air	(Reference)	Ninja Flex, 15%, 1 Layer, Circle, Air	Ninja Flex, 15%, 1 Layer, Combo, Air	
6	Selection Criteria						
7	Cost Effectiveness (amount of material)	-	0	+	0	+	-
8	Manufacturability (is it printable)	+	+	+	0	-	0
9	Energy Absorbing	+	-	-	0	-	+
0	Custom Fit Capability	+	+	-	0	+	+
1							
2							
3	Sum + 's	3.00	2.00	2.00	0.00	2.00	2.00
4	Sum 0's	0.00	1.00	0.00	0.00	0.00	0.00
5	Sum -'s	1.00	1.00	2.00	0.00	2.00	1.00
6	Net Score	2	1	0	0	0	1
7	Rank	1	2	3	3	3	2
8	Continue?						
9							