

In alphabetical order

<b>Material</b>	<b>Thermal Protection</b>	<b>Flexibility</b>	<b>Density</b>	<b>Strength</b>	<b>Usefulness as Armor</b>	<b>Camouflage</b>	<b>Cost</b>
Aerographite	0	9	2	8	8	0	9
Aluminum	4	8	6	6	6	8	1
Dyneema	6	8	4	8	9	0	3
Glass	2	5	8	6	6	0	1
Glass Fiber	6	7	4	8	8	0	1
Graphene	2	6	2	10	10	2	10
Kevlar	6	6	7	8	8	0	4
M5 Fiber	6	4	4	8	10	0	5
Metallic Glass (Amorphous Metal)	2	5	6	8	6	2	2
Microlattice	6	9	2	9	8	0	9
Nanocellulose	0	8	2	9	8	0	2
Nylon	5	8	6	6	8	6	1
Polycarbonate	5	8	6	6	6	0	1
Polystyrene	7	2	6	2	2	0	1
Rubber	2	10	6	4	4	0	1
Spider Silk	6	8	2	7	8	3	8
Stainless Steel	8	6	8	6	8	0	1
Syntactic Foam	7	8	4	8	8	0	4
Titanium	8	6	4	8	8	0	2
Tungsten	7	2	8	6	5	0	4

In order of thermal protection

Material	Thermal Protection	Flexibility	Density	Strength	Usefulness as Armor	Camouflage	Cost
Stainless Steel	8	6	8	6	8	0	1
Titanium	8	6	4	8	8	0	2
Polystyrene	7	2	6	2	2	0	1
Syntactic Foam	7	8	4	8	8	0	4
Tungsten	7	2	8	6	5	0	4
Dyneema	6	8	4	8	9	0	3
Glass Fiber	6	7	4	8	8	0	1
Kevlar	6	6	7	8	8	0	4
M5 Fiber	6	4	4	8	10	0	5
Microlattice	6	9	2	9	8	0	9
Spider Silk	6	8	2	7	8	3	8
Nylon	5	8	6	6	8	6	1
Polycarbonate	5	8	6	6	6	0	1
Aluminum	4	8	6	6	6	8	1
Glass	2	5	8	6	6	0	1
Graphene	2	6	2	10	10	2	10
Metallic Glass (Amorphous Metal)	2	5	6	8	6	2	2
Rubber	2	10	6	4	4	0	1
Nanocellulose	0	8	2	9	8	0	2
Aerographite	0	9	2	8	8	0	9

In order of flexibility

Material	Thermal Protection	Flexibility	Density	Strength	Usefulness as Armor	Camouflage	Cost
Rubber	2	10	6	4	4	0	1
Aerographite	0	9	2	8	8	0	9
Microlattice	6	9	2	9	8	0	9
Aluminum	4	8	6	6	6	8	1
Dyneema	6	8	4	8	9	0	3
Nanocellulose	0	8	2	9	8	0	2
Nylon	5	8	6	6	8	6	1
Polycarbonate	5	8	6	6	6	0	1
Spider Silk	6	8	2	7	8	3	8
Syntactic Foam	7	8	4	8	8	0	4
Glass Fiber	6	7	4	8	8	0	1
Graphene	2	6	2	10	10	2	10
Kevlar	6	6	7	8	8	0	4
Stainless Steel	8	6	8	6	8	0	1
Titanium	8	6	4	8	8	0	2
Glass	2	5	8	6	6	0	1
Metallic Glass (Amorphous Metal)	2	5	6	8	6	2	2
M5 Fiber	6	4	4	8	10	0	5
Polystyrene	7	2	6	2	2	0	1
Tungsten	7	2	8	6	5	0	4

In order of density

Material	Thermal Protection	Flexibility	Density	Strength	Usefulness as Armor	Camouflage	Cost
Stainless Steel	8	6	8	6	8	0	1
Glass	2	5	8	6	6	0	1
Tungsten	7	2	8	6	5	0	4
Kevlar	6	6	7	8	8	0	4
Rubber	2	10	6	4	4	0	1
Aluminum	4	8	6	6	6	8	1
Nylon	5	8	6	6	8	6	1
Polycarbonate	5	8	6	6	6	0	1
Metallic Glass (Amorphous Metal)	2	5	6	8	6	2	2
Polystyrene	7	2	6	2	2	0	1
Dyneema	6	8	4	8	9	0	3
Syntactic Foam	7	8	4	8	8	0	4
Glass Fiber	6	7	4	8	8	0	1
Titanium	8	6	4	8	8	0	2
M5 Fiber	6	4	4	8	10	0	5
Aerographite	0	9	2	8	8	0	9
Microlattice	6	9	2	9	8	0	9
Nanocellulose	0	8	2	9	8	0	2
Spider Silk	6	8	2	7	8	3	8
Graphene	2	6	2	10	10	2	10

In order of strength

Material	Thermal Protection	Flexibility	Density	Strength	Usefulness as Armor	Camouflage	Cost
Graphene	2	6	2	10	10	2	10
Microlattice	6	9	2	9	8	0	9
Nanocellulose	0	8	2	9	8	0	2
Aerographite	0	9	2	8	8	0	9
Dyneema	6	8	4	8	9	0	3
Glass Fiber	6	7	4	8	8	0	1
Kevlar	6	6	7	8	8	0	4
M5 Fiber	6	4	4	8	10	0	5
Metallic Glass (Amorphous Metal)	2	5	6	8	6	2	2
Syntactic Foam	7	8	4	8	8	0	4
Titanium	8	6	4	8	8	0	2
Spider Silk	6	8	2	7	8	3	8
Aluminum	4	8	6	6	6	8	1
Glass	2	5	8	6	6	0	1
Nylon	5	8	6	6	8	6	1
Polycarbonate	5	8	6	6	6	0	1
Stainless Steel	8	6	8	6	8	0	1
Tungsten	7	2	8	6	5	0	4
Rubber	2	10	6	4	4	0	1
Polystyrene	7	2	6	2	2	0	1

In order of usefulness as armor

Material	Thermal Protection	Flexibility	Density	Strength	Usefulness as Armor	Camouflage	Cost
Graphene	2	6	2	10	10	2	10
M5 Fiber	6	4	4	8	10	0	5
Dyneema	6	8	4	8	9	0	3
Aerographite	0	9	2	8	8	0	9
Glass Fiber	6	7	4	8	8	0	1
Kevlar	6	6	7	8	8	0	4
Microlattice	6	9	2	9	8	0	9
Nanocellulose	0	8	2	9	8	0	2
Nylon	5	8	6	6	8	6	1
Spider Silk	6	8	2	7	8	3	8
Stainless Steel	8	6	8	6	8	0	1
Syntactic Foam	7	8	4	8	8	0	4
Titanium	8	6	4	8	8	0	2
Aluminum	4	8	6	6	6	8	1
Glass	2	5	8	6	6	0	1
Metallic Glass (Amorphous Metal)	2	5	6	8	6	2	2
Polycarbonate	5	8	6	6	6	0	1
Tungsten	7	2	8	6	5	0	4
Rubber	2	10	6	4	4	0	1
Polystyrene	7	2	6	2	2	0	1

In order of camouflage

Material	Thermal Protection	Flexibility	Density	Strength	Usefulness as Armor	Camouflage	Cost
Aluminum	4	8	6	6	6	8	1
Nylon	5	8	6	6	8	6	1
Spider Silk	6	8	2	7	8	3	8
Graphene	2	6	2	10	10	2	10
Metallic Glass (Amorphous Metal)	2	5	6	8	6	2	2
Aerographite	0	9	2	8	8	0	9
Dyneema	6	8	4	8	9	0	3
Glass	2	5	8	6	6	0	1
Glass Fiber	6	7	4	8	8	0	1
Kevlar	6	6	7	8	8	0	4
M5 Fiber	6	4	4	8	10	0	5
Microlattice	6	9	2	9	8	0	9
Nanocellulose	0	8	2	9	8	0	2
Polycarbonate	5	8	6	6	6	0	1
Polystyrene	7	2	6	2	2	0	1
Rubber	2	10	6	4	4	0	1
Stainless Steel	8	6	8	6	8	0	1
Syntactic Foam	7	8	4	8	8	0	4
Titanium	8	6	4	8	8	0	2
Tungsten	7	2	8	6	5	0	4

In order of cost

Material	Thermal Protection	Flexibility	Density	Strength	Usefulness as Armor	Camouflage	Cost
Graphene	2	6	2	10	10	2	10
Aerographite	0	9	2	8	8	0	9
Microlattice	6	9	2	9	8	0	9
Spider Silk	6	8	2	7	8	3	8
M5 Fiber	6	4	4	8	10	0	5
Kevlar	6	6	7	8	8	0	4
Syntactic Foam	7	8	4	8	8	0	4
Tungsten	7	2	8	6	5	0	4
Dyneema	6	8	4	8	9	0	3
Metallic Glass (Amorphous Metal)	2	5	6	8	6	2	2
Nanocellulose	0	8	2	9	8	0	2
Titanium	8	6	4	8	8	0	2
Aluminum	4	8	6	6	6	8	1
Glass	2	5	8	6	6	0	1
Glass Fiber	6	7	4	8	8	0	1
Nylon	5	8	6	6	8	6	1
Polycarbonate	5	8	6	6	6	0	1
Polystyrene	7	2	6	2	2	0	1
Rubber	2	10	6	4	4	0	1
Stainless Steel	8	6	8	6	8	0	1