

Metal Materials			
No.	Type	Materials Name	Feature
1	Aluminum	Aluminum 6061	Low density Good decoration Good thermal conductivity Good corrosion resistance High strength-to-density ratio
2		Aluminum 2024	
3		Aluminum 5052	
4		Aluminum 6063	
5		Aluminum 7050	
6		Aluminum 7075	
7		Aluminum - bronze	
8		Aluminum - QC-10	
9		Aluminum MIC-6	
10	Copper	Copper 101	High ductility Good conductivity of heat and electricity
11		Copper 260 (Brass)	
12		Copper C110	
13		Copper C360 (Brass)	
14		Copper C932 (Bronze)	
15	Stainless Steel	Stainless Steel 15-5	Recyclability High strength High Durability High corrosion resistance High temperature resistance Aesthetic Appearance
16		Stainless Steel 17-4	
17		Stainless Steel 18-8	
18		Stainless Steel 303	
19		Stainless Steel 304	
20		Stainless Steel 316/316L	
21		Stainless Steel 416	
22		Stainless Steel 420	
23		Stainless Steel 434	
24		Stainless Steel 440C	
25		Stainless Steel 630	
26	Steel	Steel 1018	High strength High ductility Quality and speed High abrasive resistance
27		Steel 1215	
28		Steel 4130	
29		Steel 4140	
30		Steel 4140PH	
31		Steel 4340	
32		Steel A36	

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33	Titanium	Titanium (Grade 2)	Low density High strength High corrosion resistance
34		Titanium (Grade 5)	
35	Brass	Brass C2680	High durability Anti-Bacterial Property High electrical conductivity
36		Brass 260	
37		Brass C360	
38		Brass H59	
39		Brass H62	
40	Magnesium	AZ31B	High toughness

Plastic Materials			
No.	Materials	Color	Feature
1	ABS	Natural/Black	Environmental protection material Corrosion resistance Good impact resistance Good machinability
2	Flame retardant ABS	Natural/Black	Good flexibility Good impact resistance High impact strength Flame resistance
3	ABS+PC	Black	Flame resistance High heat resistance Good impact resistance
4	PA	Natural/Black	High impact strength High weatherability Good machinability
5	PC	Clear/Black	Good dimension stabilizing Good insulating property Good impact strength
6	PP	White/Black	High toughness Low weight Brilliant Chemical resistance

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7	PE	White/Black	Good insulating property Good chemical stability Good low temperature performance
8	POM	White/Black	Good mechanical properties Good wear resistance Easy to machine
9	PPS	Natural/Black	Excellent thermal stability Excellent electrical insulation properties Good chemical resistance Good flame retardancy
10	PEEK	Natural/Black	Excellent corrosion resistance Good ageing resistance High dimensional stability
11	PBT	Natural/Black	High heat resistance Good wear resistance Good impact strength Excellent electrical insulation properties
12	PET	Natural/White	High transparency Good flexibility
13	PEI	Natural/Black	High temperature stability Good flame retardant Excellent electrical insulation properties
14	PAI	Tawny	Good dimension stabilizing Excellent wear resistance Radiation Resistant
15	PPSU	Black	Excellent corrosion resistance High temperature resistance Good impact strength
16	PTFE	White	Good wear resistance Good heat resistance Resistance too moisture
17	PMMA	Clear/Black	Excellent transparency Excellent weather resistance
18	HDPE	Clear/Black	Good impact strength Excellent wear resistance Excellent electrical insulation properties

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19	LDPE	White/Black	Easy to machine High strength Good flexibility
20	Bakelite	Yellow	High temperature resistance High strength
21	Fiberglass Sheet	White	Good moisture resistance Excellent electrical insulation properties