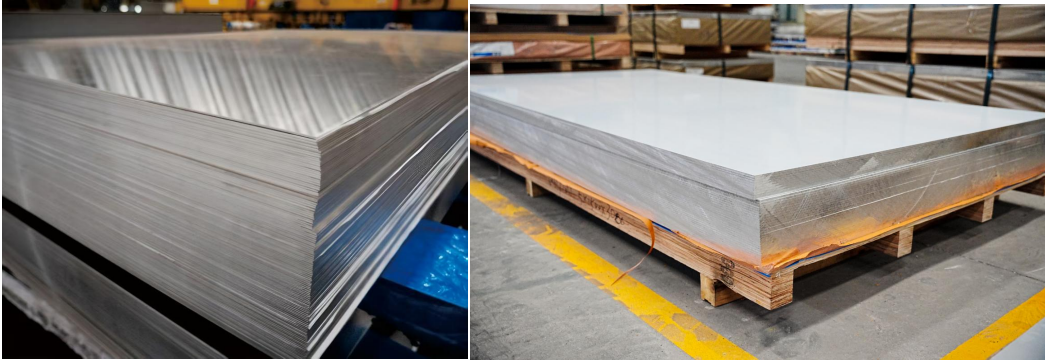


1. Chemical Composition

合金 Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	参考标准 Standard
5052	0.25	0.40	0.10	0.15	2.2~2.8	0.15~0.35	0.1	—	EN/ASTM
5182	0.20	0.35	0.15	0.20~0.50	4.0~5.0	0.10	0.25	0.10	
5754	0.40	0.40	0.10	0.50	2.6~3.6	0.30	0.20	0.15	
6014	0.3~0.6	0.35	0.25	0.05~0.2	0.4~0.8	0.2	0.1	0.10	
6016	1.0~1.5	0.5	0.25	0.2	0.25~0.6	0.10	0.2	0.15	
6056	0.7~1.3	0.5	0.5~1.1	0.4~1.0	0.6~1.2	0.25	0.1~0.7	—	
6061	0.40~0.80	0.70	0.15~0.40	0.15	0.80~1.20	0.04~0.35	0.25	0.15	
6111	0.6~1.1	0.40	0.5~0.9	0.1~0.45	0.5~1.0	0.10	0.15	0.10	GB
7075	0.4	0.5	1.2~2.0	0.3	2.1~2.9	0.18~0.28	5.1~6.1	0.2	EN/ASTM

2. Specification

合金 Alloy	状态 Temper	厚度(mm) Thickness	宽度(mm) Width
5052	O/H111	0.8~3.5	1200~2650
5182			
5754			
6014	T4		
6016	T4		
6022	T4		
6056	T4		
6061	T4		
6111	T4		
7075	T6		



3. Mechanical Properties

合金 Alloy	状态 Temper	抗拉强度 Rm(Mpa) Tensile Strength	屈服强度 Rp0.2(MPa) Yield Strength	断裂延伸率 A50(%) Elongation at Break	均匀延伸率 Ag(%) Uniform Elongation	塑性应变比 r Plastic Strain Ratio	应变硬化指数 n Strain Hardening Exponent	参考标准 Standard
5052	O/H111	170~215	≥65	≥12	—	—	—	EN/ASTM
5182	O/H111	255~315	≥110	≥12	—	—	—	EN/ASTM
5754	O/H111	190~240	≥80	≥14	—	—	—	EN/ASTM
6014	T4	195~260	95~135	—	≥19	≥0.5	—	WSS- M2A174-A1-A3
6016	T4	170~250	80~140	≥24	—	—	—	EN/ASTM
6061	T6	≥290	≥240	≥6	—	—	—	EN/ASTM
7075	T6	≥540	≥460	≥6	—	—	—	EN/ASTM

4. Typical Applications

Applied to the automotive Hinge stiffener, ABC column, Vacuum booster housing, Sun shade lifting shaft reel-5182-0Sheet/7075-T6 Sheet/5754-0 Sheet

Aluminum alloy coils of 5182/5754-0/6016-T4p grades for automotive components such as brake hose brackets, TIB reinforcements, and tail light assemblies.

