

Oil cooler fin and plate 油冷器用铝材

* Various specifications for fin and plate

各种不同规格翅片和主板用铝材

* Perfect strength after brazing 优秀的焊后打压强度

* Long fatigue lifetime for inner fin 内翅片具有良好的疲劳寿命



Performance index of aluminium fin material 翅片料性能指标							
Alloy 牌号	Temper 状态	Thickness (mm) 厚度	Tolerance (mm) 公差	Clad rate (%) 复合 层	Mechanical property 机械性能		
					Tensile Strength (MPa) 抗拉强度	Yield Strength (MPa) 屈服强度	Elongation Min.(%) 延伸率
3003 (inner fin)	O	0.2~0.3	±0.007	None	100~150	≥45	15
6951 (inner fin)	O	0.2~0.3	±0.007	None	115~165	≥50	15
3003 (external fin)	H14	0.1~0.15	±0.005	None	150~200	≥120	1
Performance index of aluminium plate material 主板料性能指标							
Alloy 牌号	Temper 状态	Thickness (mm) 厚度	Tolerance (mm) 公差	Clad rate (%) 复合 层	Mechanical property 机械性能		
					Tensile Strength (MPa) 抗拉强度	Yield Strength (MPa) 屈服强度	Elongation Min.(%) 延伸率
4045/3003/ 4045	O	0.5~0.8	±0.02	15~20 10~15	100~150	≥45	25
4045/SA-5/ 4045	O	0.5~0.8	±0.02	15~20 10~15	110~160	≥50	25
4045/SA-7/ 4045	O	0.5~0.8	±0.02	15~20 10~15	120~170	≥55	25
4104/3003/ 4104	O	0.5~0.8	±0.02	15~20 10~15	100~150	≥45	25
4104/SA-5/ 4104	O	0.5~0.8	±0.02	15~20 10~15	110~160	≥50	25
4104/SA-7/ 4104	O	0.5~0.8	±0.02	15~20 10~15	120~170	≥55	25
<p>* 4045 can be replaced by 4343/4047etc, 4104 is used in vacuum brazing, can be replaced by 4004 , according to customer's requirement. 4045 可以根据客户需要被 4343、4047 等代替。4104 用于真空钎焊，可以被 4004 代替。</p> <p>* Alloy、specification and mechanical property can be customized according to different requirement. 合金以及规格、性能可根据用户需求另行制定。</p>							