

Brazing sheet/strip

Signaluminium' brazing sheet is a highly engineered product requiring superior gauge control capabilities, precise width tolerances and exacting chemical and physical properties. Each of these critical variables is met with industry leading technology and product development support. Today, virtually all heat exchangers incorporated in new vehicles are aluminum. Each offers the competitive advantage of being light weight, corrosion resistant and durable. A perfect match for today's demanding vehicle design requirements.

Gauge: 0.051 mm to 6.35mm

Clad %: 5%, 7.5%, 10%, 13%, 15% (other clad percentages available upon request)

Widths: 12 mm to 1600 mm

Alloy	Temp er	Thick ness (mm)	Tolerance (mm)	Clad ratio (%)	Mechanical property			Application
					Tensile strength	Yield strength	Elong ation	
					σ_b (MPa)	$\sigma_{p0.2}$ (Mpa)	δ (%) min	
3003	H14	0.08~ 0.12	± 0.005	None	150 ~ 200	≥120	1	Evaporator fin and plate
3003	H26	0.3~ 0.35	± 0.015	None	190 ~ 220	≥160	8	Glass mounting bracket material
3003	H14	0.06 ~0.1	± 0.005	None	150 ~ 200	≥120	1	Radiator fin and plate
4343/3003 / 4343	H14	0.06 ~0.1	± 0.005	8~12	150 ~ 200	≥120	1	
4343/3003 / 4343	H14	0.08 ~0.12	± 0.005	8~12	150 ~ 200	≥120	1	Parallel condenser fin
4343/3003 / 4343	H14	0.1~ 0.12	± 0.005	8~12	150 ~ 200	≥120	1	Charge air cooler material
4045/3003 / 4045	H14	0.1~ 0.12	± 0.005	8~12	150 ~ 200	≥120	1	
1060	O	0.35~ 0.4	± 0.02	None	55 ~ 95	≥15	25	Air cooling fin material for tubes
1100	O	0.35~ 0.4	± 0.02	None	75~105	≥25	25	
3003	O	0.2~ 0.3	± 0.01	None	100 ~ 150	≥45	15	Aluminum for heating element
3003	H16	0.5~ 0.7	± 0.02	None	150~210	≥120	1	
4047	H18	0.05~ 0.1	± 0.005	None	≥200	≥170	0.5	

4A13	H18	0.05 ~0.1	± 0.005	None	≥190	≥16	0.5	Oil cooler
4104	H18	0.05 ~0.1	± 0.005	None	≥220	≥190	0.5	
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	
3003 (inner fin)	O	0.2 ~0.3	± 0.007	None	100 ~ 150	≥45	15	
3003 (inner fin)	H12	0.2 ~0.3	± 0.007	None	120 ~ 160	≥85	2	
3003 (external fin)	H14	0.1 ~0.15	± 0.005	None	150~200	≥120	1	

Performance index of plate material

4343/3003	O	1.2~3	± 0.03	5~10	100 ~ 150	≥45	25	Radiator fin and plate
4343/ 3003/ 7072	O	1.2~3	± 0.03	5~10	100 ~ 150	≥45	25	
4343/ 3003/4343	O	0.4~0.5	± 0.02	8~12	100 ~ 150	45	27	Evaporator fin and plate
4045/ 3003/4045	O	0.8~1.2	± 0.03	8~12	100 ~ 150	45	27	
4045/ 3003/ 4045	O	2~3	± 0.05	8~12	100 ~ 150	45	25	Charge air cooler material
4045/ 3003/ 4045	O	0.5~0.8	± 0.02	15~20 10~15	100 ~ 150	45	25	Oil cooler
4104/ 3003/ 4104	O	0.5~0.8	± 0.02	15~20 10~15	100 ~ 150	45	25	
4104/ 3003/ 4104	H14	0.6~0.8, 1.2~1.5	± 0.02, ± 0.03	13~17 8~12	150 ~ 200	120	3	Engineering machinery

