

minum alloys

Trade name	Chemical composition										
	Cu %	Si %	Mg %	Ti %	Fe %	Mn %	Zn ≤ %	Cr ≤ %	Other %	trace	
										Ea.	Tot.
354	1.6-2.0	8.6-9.4	0.4-0.60	0.20	0.2	0.1	0.1	-	-	0.05	0.15
355	1.0-1.5	4.5-5.5	0.4-0.60	0.25	0.6	0.5	0.35	0.25	-	0.05	0.15
C-355	0.25	4.5-5.5	0.40-0.60	0.2	0.2	0.1	0.1	-	-	0.05	0.15
356	0.2	6.5-7.5	0.20-0.40	0.25	0.6	0.35	0.35	-	-	0.05	0.15
A-356	0.5	6.5-7.5	0.20-0.40	0.2	0.2	0.1	0.1	-	-	0.05	0.15
357	4.0-5.0	6.5-7.5	0.45-0.60	0.10-0.20	0.10-0.20	0.3	0.3	-	Ag: 40-1.0	0.03	0.09

Alloy	mechanical properties				
	Tensile strength		0.2% yield strength		%Elongation range
	English (psia)	Metric (Mpa)	English (psia)	Metric (Mpa)	
356	32-40000	221-276	22-30000	152-207	3-7
A-356	38-48000	262-331	28-36000	193-248	3-10
A-357	33-50000	228-345	27-40000	186-276	3-9
355	35-50000	241-345	28-39000	193-269	1-8
C-355					
A-354	47-55000	324-379	36-45000	248-310	2-5