

Aluminium alloy 5052 has very good corrosion resistance to seawater and marine and industrial atmosphere. It also has very good weldability and good cold formability. It is a medium to high strength alloy with a strength slightly higher than 5251 and a medium to high fatigue strength.

CHEMICAL ANALYSIS

	SI	FE	CU	MN	MG	CR	ZN	TI	OTHERS		AL
									EACH	TOTAL	
Min.	-	-	-	-	2.20	0.150	-	-	-	-	REM
Max.	0.250	0.400	0.100	0.100	2.80	0.350	0.100	-	0.050	0.150	-

MECHANICAL PROPERTIES

Tensile Strength	Minimum: 215 N/MM ²
	Maximum: 265 N/MM ²
Yield Strength	155 N/MM ²
Elongation at break	9%

CHEMICAL COMPOSITION

Hardness	95 – 115 Shore D
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APPLICATIONS

- Aircraft fuel tanks
- Electronic enclosures
- Kitchen appliances
- Automotive fuel lines
- Pressure vessels