

# GENERAL CHARACTERISTICS

Cold Forming	Machining	Durability	Inert Gas Shielded Arc (MIG or TIG)	Resistance (Spot, Seam, Flash, Stud)	General Description
E V	F	E	E	G	99.8% Purity. Very malleable. Excellent corrosion resistance.
V F	F G	V	E	V	9.5% Purity. Malleable. Good corrosion resistance.
V	F	V	E	V	Electrical Purity. Very good conductivity.
E V F E F	F F G F G	V	E	V	99% Purity. Commercial grade, normally the cheapest form, used where strength is not important.
V	F	V	E	E	Slightly stronger than pure aluminium, other properties similar.
V V G G V	G G G V G	V	V	E	Medium strength alloy, work hardens rapidly. Resistant to marine atmosphere.
G	G	V	V	V	Architectural anodising quality.
G G F	E E E	V V F	E	E	Higher strength than 5251 while retaining corrosion resistance.
E V G F F	G G G V V	G V G G G	V	V	Medium strength alloy for architectural extrusions. Very good for complicated shapes, corrosion resistance and anodising.
G	V	G	V	V	Medium strength with good electrical conductivity.
G F G F F	V E V E E	V G V G G	V	V	Structural alloy with good strength and corrosion resistance.
G F G F	E	P	N	E	High strength alloy, low corrosion resistance.
F	E	P	N	N	Free-cutting alloy for use in automatic lathes.

## MATERIALS ARE GRADED THUS

<b>E</b>	Excellent	<b>F</b>	Fair
<b>V</b>	Very good	<b>P</b>	Poor
<b>G</b>	Good	<b>N</b>	Not recommended