

# **ΛLTΛ1** Ultra Strength Flat Rolled Materials

# Alloy: DCE51

Temper / Etat: O, H36, H38 and etc.,

<u>Features:</u> 1.5 times stronger than regular aluminum alloy. Similar strength with cold rolled steel sheet. Can replace SS for weight reduction.

<u>Applications:</u> Back covers for 3C products, automotive entertainment system, telecommunication devices and other weight sensitive potable equipment.

Mechanical Properties / Caracteristiques Mecaniques (0.1 mm):

Temper/Etat	Tensile Strength (Rm/Mpa)	Yield Strength (Rp0.2/Mpa)	Elongation %
о	308	155	22.3
H36	370	270	10.4
H38	394	292	10.1

#### Minimum Thickness / Epaisseur:

• 0.1 mm

### <u>Markets:</u>

- Electronic devices, Telecommunication, Consuming electronic
- LCD/LED screen for laptop, monitor and automotive industry
- Aerospace/aircraft electrical equipment
- Replacement of Stainless Steel



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### **Comparison of Stainless Steel sheet and DCE51 sheet**



