

## SPECIFICATIONS

Commercial 5754

PLANCAST PLUS Plate is available:

- > In thicknesses from 5mm to 100mm
  - > Standard Width 1520mm
  - > Standard Lengths 3020mm or 4000mm
- It is also available in cut pieces

## CHEMICAL COMPOSITION

PLANCAST PLUS  
5754 Plate

| Element        | % Present |
|----------------|-----------|
| Magnesium (Mg) | 2.6 - 3.6 |
| Manganese (Mn) | 0.5 max   |
| Iron (Fe)      | 0.4 max   |
| Silicon (Si)   | 0.4 max   |
| Chromium (Cr)  | 0.3 max   |
| Zinc (Zn)      | 0.2 max   |
| Titanium (Ti)  | 0.15 max  |
| Copper (Cu)    | 0.1 max   |
| Aluminium (Al) | Balance   |

## SUPPLIED FORMS

- Plate

## GENERIC PHYSICAL PROPERTIES

| Property                | Value                   |
|-------------------------|-------------------------|
| Density                 | 2.66 g/cm <sup>3</sup>  |
| Melting Point           | 600 °C                  |
| Thermal Expansion       | 24 x10 <sup>-6</sup> /K |
| Modulus of Elasticity   | 70 GPa                  |
| Thermal Conductivity    | 140-160 W/m.K           |
| Heat Capacity           | 900 J/kgK               |
| Electrical Conductivity | 17-23 MS/m              |

## MECHANICAL PROPERTIES

PLANCAST PLUS 5754  
Plate  
5mm - 100mm thick

| Property          | Value       |
|-------------------|-------------|
| Proof Stress      | 90 Min MPa  |
| Tensile Strength  | 200 Min MPa |
| Elongation A50 mm | 12 Min %    |
| Hardness Brinell  | 55 Min HB   |

## CONTACT

**Address:** Please make contact directly with your local service centre, which can be found via the Locations page of our web site

**Web:** [www.aalco.co.uk](http://www.aalco.co.uk)

## REVISION HISTORY

Datasheet Updated 09 April 2019

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