

7075 Aluminum Foil

Formula: Al90/Zn 5.5/Mg 2.5/Cu 1.5/Si 0.5

Temper: T6

Thickness: 0.635mm

Length 1: 100mm

Length 2: 100mm

UOM Code: 262-318-37

SKU: 1000021538-group

Product Code: AL20-FL-000150

Material Properties for Alloys

Mechanical Properties

| Element | Value |
|--------------------------|---------|
| Hardness - Brinell | 150 |
| Elongation at break(%) | 5-8% |
| Shear strength(MPa) | 331 |
| Tensile strength(MPa) | 510-538 |

Electrical Properties

| Element | Value |
|---|-------|
| Electrical resistivity(μOhmcm) | 5.15 |
| Temperature coefficient(K^{-1}) | - |

Thermal Properties

| Element | Value |
|--|---------------|
| Melting point(C) | 447-635 |
| Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$) | 130@20°C |
| Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$) | 24.4@20-250°C |

Physical Properties

| Element | Value |
|------------------------------|-------|
| Density(gcm^{-3}) | 2.8 |