

17-7PH Stainless Steel Foil (Light Tight)

Formula: Fe/Cr17/Ni 7

Temper: As Rolled - Condition C

Thickness: 0.05mm

Length 1: 150mm

Length 2: 150mm

UOM Code: 116-914-68

SKU: 1000028733-group

Product Code: FE28-FL-000190

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	25
Modulus of elasticity(GPa)	214
Izod impact strength(J m ²)	61-115
Tensile strength(MPa)	1020-1550

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	80-85

Thermal Properties

Element	Value
Melting point(C)	1435
Thermal conductivity(W m ⁻¹ K ⁻¹)	16.7@23°C
Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹)	15.3@20-90°C

Physical Properties

Element	Value
Density(gcm ⁻³)	7.81