

17-7PH Stainless Steel Disk

Grade: Precipitation Hardenable

Formula: Fe/Cr17/Ni 7

Temper: As Rolled - Condition C

Thickness: 0.05mm

Diameter: 25mm

UOM Code: 038-923-16

SKU: 1000005253-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 ²¹)	61-115
Tensile strength(MPa)	1020-1550

Electrical Properties

Element	Value
Electrical resistivity(μ Ohmcm)	80-85

Thermal Properties

Element	Value
Melting point(C)	1435
Thermal conductivity(W m ²¹ K ²¹)	16.7@23°C
Coefficient of thermal expansion($\times 10^{??}$ K ²¹)	15.3@20-90°C

Physical Properties

Element	Value
Density(gcm ²³)	7.81