

AISI 304 Stainless Steel Disk

Formula: Fe/Cr18/Ni10

Temper: Hard

Thickness: 0.4mm

Diameter: 10mm

UOM Code: 005-697-07

SKU: 1000000764-group

Product Code: FE22-FL-000126

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	160-190
Elongation at break(%)	60
Modulus of elasticity(GPa)	190-210
Izod impact strength(J m ²¹)	20-136
Tensile strength(MPa)	460-1100

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	70-72

Thermal Properties

Element	Value
Melting point(C)	1400-1455
Thermal conductivity(W m ²¹ K ²¹)	16.3@23°C
Coefficient of thermal expansion(x10 ^{??} K ²¹)	18@20-100°C

Physical Properties

Element	Value
Density(gcm ³)	7.93