

## General

Property	Standard	Unit	Value
Specific gravity	ISO 1183	g/cm <sup>3</sup>	7.85
Moisture absorption	-	%	0
Fire behavior	EN 13501-1	-	A1 (Non-combustible)
Specific heat capacity	-	J/kg·K	470

## Mechanical

Property	Standard	Unit	Value
Yield strength	EN 10025-5	MPa	≥355
Tensile strength	EN 10025-5	MPa	470–630
Elongation at break	EN 10025-5	%	≥20
Young's Modulus	EN 10025-5	GPa	210
Hardness	HB	HB	160–200
Poisson's ratio	-	-	0.30

## Electrical

Property	Standard	Unit	Value
Electrical resistivity	-	Ω·mm <sup>2</sup> /m	0.16
Electrical conductivity	-	MS/m	6.2

## Thermal

Property	Standard	Unit	Value
Melting point	-	°C	1420–1460
Thermal conductivity	-	W/m·K	52
Linear coefficient of expansion	-	μm/m·K	12
Maximum continuous service temperature	-	°C	550

## Temperature Range

Temperature	Unit	Value
Minimum operating temperature	°C	-40
Maximum operating temperature	°C	550