

Core 439M

General characteristics Typical applications

Products & dimensions

Cold rolled products, available dimensions (mm)

Surface finish		Coil / Strip		Plate / Sheet	
		Thickness	Width	Thickness	Width
2B	Cold rolled, heat treated, pickled, skin passed	0.33-3.58	12-1524	0.33-3.58	18-1524
2E	Cold rolled, heat treated, mech. desc. pickled	0.33-3.58	12-1524	0.33-3.58	18-1524
2F	Cold rolled, heat treated, skin passed	0.33-3.58	12-1524	0.33-3.58	18-1524
2G	Ground	0.53-3.58	12-1524	0.53-3.58	18-1524
2K	Satin finish	0.53-3.58	12-1524	0.53-3.58	18-1524

Continuous hot rolled products, available dimensions (mm)

Surface finish		Coil / Strip		Plate / Sheet	
		Thickness	Width	Thickness	Width
1D	Hot rolled, heat treated, pickled	4.76-6.36	400-1524	4.76-6.36	400-1524

Chemical composition

	C	Mn	Cr	Ni	Mo	N	Other
Typical	0.02		17.6				Ti Nb

Corrosion resistance

Pitting corrosion resistance		Crevice corrosion resistance
PRE	CPT	CCT
18		

Mechanical properties

Cold rolled coil and sheet	R _{p0.2} MPa	R _{p1.0} MPa	R _m MPa	Elongation ¹⁾ %	Impact strength J	Rockwell	HB	HV
Typical (thickness 1 mm)	323		459					

Physical properties

Density	Modulus of elasticity	Thermal exp. at 100 °C	Thermal conductivity	Thermal capacity	Electrical resistance	Magnetizable
kg/dm ³	GPa	10 ⁻⁶ /°C	W/m°C	J/kg°C	μΩm	
7.7	220	10	25	460	0.6	Yes

Fabrication

Standards & approvals

Standard	Designation
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Contacts & Enquiries

Contact your nearest sales office

www.outokumpu.com/contacts

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