

[EN 10149-2 S315MC steel plate/sheet](#) for High yield strength cold forming steel

Key words: [S315MC steel plate/sheet](#), EN 10149-2 S315MC steel plate/sheet, S315MC steel plate/sheet supplier/Chinese supplier, S315MC steel plate/sheet price, S315MC steel plate/sheet mechanical property.

[EN 10149-2 S315MC steel](#) equivalent grade:

S315MC steel plate/sheet is in EN 10149-2 standard, the material number is 1.0972. The equivalent grades of S315MC steel are NFA 36-231 E 315 D, BS 1449 HR 43F35.

S315MC EN 10149-2 Material #: 1.0972	Comparison of steel grades	
	NFA 36-231	E 315 D
	BS 1449	HR 43F35

[EN 10149-2 S315MC steel chemical composition](#) %:

Main chemical composition in EN 10149-2 S315MC steel is carbon max 0.19, silicon max 0.55, manganese max 1.6, phosphorus max 0.035, Sulphur max 0.035. More detailed information about S315MC steel, please refer to the down table:

	C	Si	Mn	P	S 1)	Alttotal	Mo	Ti	B
Chemical analysis -% by mass*	max.	max.	max.	max.	max.	min.	max.	max.	max.
	0,12	0,50	1,30	0,025	0,020	0,015	-	0,15	-

EN 10149-2 S315MC steel mechanical property:

EN10149-2 S315MC is a technical delivery conditions for high yield strength cold forming steels. It is according to EN10149-2 standard. We can regard S315MC steel plates/sheets are low-perlite steel grades offer excellent bending, flanging, cold-bordering and folding properties in both longitudinal and transverse direction. The bending radii specified below should be observed as minimum values.

Mechanical properties	Yield Strength ReH [N/mm <sup>2</sup> ] transv.min.	Tensile Strength Rm [N/mm <sup>2</sup> ] transv.	Min. total elongation [%]		Smallest recommended bending radius bending angles ≤ 90	
			L0 = 80 mm	L0 = 5,65 √S0	e1) ≤ 3	3 < e1) < 6
S315MC	315	390 - 510	e2) < 3	e2) ≥ 3	0,25 e	0,5 e
			20	24	e1) > 6	
					1,0 e	

ICE steel is the professional Chinese steel exporter, especially in fine-grain structural steel. We keep 10000 tons ex-stock in our warehouse, and the MTC and sample of EN 10149-2 S315MC steel are available, so if need, welcome to contact ICE steel sales team.

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