SALZGITTER FLACHSTAHL
A member of the Salzgitter Group

HC260LA

Micro-alloyed steel grades with high yield strength for cold forming

Material no.	1.0480
according to	DIN EN 10268, Edition 10.06

Chemical composition

(in percent by weight)

	min.	max.
C		0.100 %
Si		0.500 %
Mn		0.600 %
P		0.025 %
S		0.025 % 1)
Al	0.015 %	
Nb		0.090 % 2)
Ti		0.150 % 2)

1) If agreed in the order the maximum sulphur content is 0,012 % after finished part analyse.

2) These additional elements may be added single or in combination, if they are contained in the specification of the steel grade and the mass fraction being within the permissable limits. Vanadium can also be added. The total of the mass fractions of all three elements shall not exceed 0,22 %.

Mechanical properties (transverse)

Yield strength $R_{eL}/R_{p\,0,2}$
260–330 MPa

Tensile strength R_m
350–430 MPa

Total elongation A_{80}
≥ 26 %

The samples for the tensile test are taken at right angles to rolling direction unless the product width is opposed to this.

Available dimensions

Thickness in mm	Width in mm
0.50 – 0.73	900 – 1,700
0.74 – 3.00	900 – 1,850

Surface finish

The steel grade is available in the surface finishes A and B and O3 and O5.

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Salzgitter Flachstahl GmbH · Eisenhüttenstraße 99 · 38239 Salzgitter
Phone +49 (0) 5341 21-2890 · Fax +49 (0) 5341 21-8536
E-Mail flachstahl@salzgitter-ag.de · http://www.salzgitter-flachstahl.de