

PLASTIC MOULD STEELS

HARDENABLE CORROSION RESISTANT STEEL

Dostupne varijante proizvoda

Šipkasti proizvodi*

Ploče

*) Presented data refer exclusively to long products. Please observe the detailed explanations at the end of the data sheet (pdf).

Opis proizvoda

Čelik za izradu kalupa za plastiku, otporan na koroziju, namijenjen za proizvode za koje se zahtijeva izniman kvalitet završne obrade.

Put taljenja

Airmelted + Remelted

Karakteristike

- > Žilavost i duktilnost : vrlo visoka
- > Otpornost na habanje : dobar
- > Obradivost : vrlo visoka
- > Dimenzionalna stabilnost : vrlo visoka
- > Mogućnost poliranja : vrlo visoka
- > Otpornost na koroziju : vrlo visoka
- > Mikro čistoća : vrlo visoka

Korištenje

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| <ul style="list-style-type: none"> > Sklopovi za prehrambenu industriju i hranu za životinje > Istiskivanje plastike > Potrošački proizvodi – općenito > Medicinski > Components for Displays > Sustav za vruće spajanje | <ul style="list-style-type: none"> > Prehrambena industrija > Standardni dijelovi (kalupi, ploče, klinovi, probijači) > Opći sklopovi za strojarstvo > Pakiranje > Elektronička industrija > Glasfibre reinforced plastics | <ul style="list-style-type: none"> > Lijevanje ubrizgavanjem > Lijevanje upuhivanjem u kalupe > Automobilaska svjetla/leće > Camera lenses > Vijci i cijevi |
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Kemijski sastav

C	Si	Mn	Cr	Mo	Ni	V	N
0,24	0,2	0,35	13,25	+	+	+	+

Isporuka

Soft annealed

Tvrdoća (HB) | max. 220

Toplinska obrada

Hardening and Tempering

Temperatura	980 °C	For hardening hold at temperature for 25 to 30 min. An optional sub-zero treatment at -80°C/ 176°F can be applied after hardening. For highest corrosion resistance, temper once for a minimum of 2h at 250-350°C/482-662°F. For best dimensional stability, temper twice for a minimum of 2h at 505-510°C/941-950°F (without sub-zero treatment) or 505-520°C/ 941-968°F (with sub-zero treatment). After each heat treatment step, material should be cooled down to approx. 30°C
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Fizička svojstva

Temperatura (°C)	20
Gustoća (kg/dm ³)	7,71
Toplinska vodljivost (W/(m.K))	23,1
Specifični toplinski kapacitet (kJ/kg K)	0,46
Spec. Otpornik (Ohm.mm ² /m)	-
Modul elastičnosti (10 ³ N/mm ²)	216

Toplinska ekspanzija

Temperatura (°C)	100	200	300	400	500
Toplinska ekspanzija (10 ⁻⁶ m/(m.K))	10,5	11	11	11,5	12

Long Products: For additional specifications and technical requirements, please contact our regional voestalpine BÖHLER sales companies.

Sheet & Plates: Product Variant may differ in terms of melting process, technical data, delivery, and surface condition as well as available product dimensions. Please contact voestalpine BÖHLER Bleche GmbH & Co KG.

The data contained in this brochure is merely for general information and therefore shall not be binding on the company. We may be bound only through a contract explicitly stipulating such data as binding. Measurement data are laboratory values and can deviate from practical analyses. The manufacture of our products does not involve the use of substances detrimental to health or to the ozone layer.