

PLASTIC MOULD STEELS

PREHARDENED 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

BÖHLER M303 EXTRA je martenzitni krom čelik otporan na koroziju koji pruža sjajnu žilavost i otpornost na koroziju i trošenje. Odlikuje se boljom strojnom obradivošću i boljim svojstvima za poliranje.

Put taljenja

Airmelted

Karakteristike

- > Žilavost i duktilnost : visok
- > Otpornost na habanje : visok
- > Obradivost : dobar
- > Dimenzionalna stabilnost : dobar
- > Mogućnost poliranja : vrlo visoka
- > Otpornost na koroziju : dobar
- > No heat treatment necessary
- > Prehardened

Korištenje

- > Lijevanje upuhivanjem u kalupe
- > Lijevanje ubrizgavanjem
- > Standardni dijelovi (kalupi, ploče, klinovi, probijači)
- > Components for Displays
- > Automobilska svjetla/leće
- > Glasfibre reinforced plastics
- > Sklopovi za prehrambenu industriju i hranu za životinje
- > Istiskivanje plastike
- > Držači alata (mljevenje, bušenje, okretanje i stezne glave)
- > Elektronička industrija
- > Pakiranje
- > Prehrambena industrija
- > Vijci i cijevi
- > Camera lenses
- > Opći sklopovi za strojarstvo
- > Sustav za vruće spajanje

Tehnički podaci

Oznaka materijala	
~1.2316	SEL
X36CrMo17 X38CrMo17	EN

Kemijski sastav

C	Si	Mn	Cr	Mo	Ni	N
0,27	0,3	0,65	14,5	1	0,85	+

Isporka

Hardened and Tempered

Tvrdoća (HB)	350 do 390
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Toplinska obrada

Stress relieving

Temperatura	max. 400 °C	Stress relieving after machining in the pre-hardened condition. After through-heating, soak for minimum 2 hours in a neutral atmosphere. Slow cooling in furnace with 20 °C/hr (68 °F/hr) down to 200 °C (390 °F), then cool down in an all-air environment.
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Fizička svojstva

Temperatura (°C)	20
Gustoća (kg/dm ³)	7,72
Toplinska vodljivost (W/(m.K))	22,8
Specifični toplinski kapacitet (kJ/kg K)	0,46
Spec. Otpornik (Ohm.mm ² /m)	0,6
Modul elastičnosti (10 ³ N/mm ²)	218

Toplinska ekspanzija

Temperatura (°C)	100	200	300	400	500	600
Toplinska ekspanzija (10 ⁻⁶ m/(m.K))	10,5	10,83	11,11	11,39	11,75	12,1

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.