

STAINLESS STEEL MOLD BASES

LS'5

- **Premium 420f Stainless Steel**
- 32 Rc pre-hardness
- Improved machinability and increased thermal conductivity



SUPERPLAST® STAINLESS STEEL MOLD BASES



Superplast® Stainless is a prehardened free-machining stainless mold steel specially designed for plastic mold bases, and providing improved performances compared to standard grades such as 420f.

Superplast® Stainless offers:

- Improved machinability
- improved consistency and weldability

With its low Carbon and 12% Chromium content, Superplast® Stainless ensures a good corrosion resistance both in humid atmospheres and in corrosive molding environments (PVC).

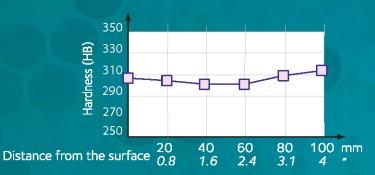
CHEMICAL ANALYSIS

	С	S Max	Si	Cr
Superplast® Stainless	0.07	0.15	0.10	12.0
W1.2085	0.4	0.07	0.35	16.0

Typical Values

MICROSTRUCTURE

Superplast® Stainless is a martensitic stainless steel offeringmicrostructure and hardness consistency through thickness



Example in a 100 mm (4") thick plate

MECHANICAL PROPERTIES

	YS 0.2 MPa(KSI)	UTS MPa (KSI)	El% 5d	НВ
Superplast® Stainless	890 (129)	1000 (145)	14	310
W1.2085	870 (126)	1000 (145)	12	310

Superplast® Stainless is delivered prehardened with a hardness between 290 and 330 HB (30 - 34 HRC*)

*HRC Hardness is only indicative value (translation from HB according to ISO 18265 : 2003 table B2)



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