

Plastic Mold Steel BM1.2085

Pre-hardened Martensitic stainless chromium steel with excellent corrosion resistance, characterized by special alloying with the addition of Sulphur. Has good dimensional stability, machinability and polishability.

Chemical Composition

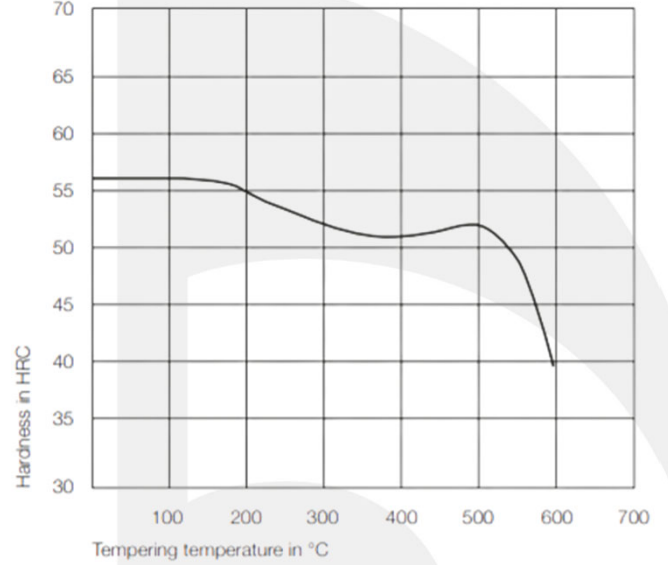
0.28-0.38 % C	≤ 1.00 % Si	≤ 1.40 % Mn
15.00-17.00 % Cr	0.05-0.10 % S	≤ 0.03 % P

Applications

- Core parts
- Mould bases of corrosion resistance plastic moulds
- Special machine parts in the food industry
- Application field of the automobile industry and machine construction
- Processes with chemically aggressive and acidic thermoplastics

Heat Treatment Properties

Normalization °C	1050-850
Soft Annealing °C	760-780
Delivery Hardness HB 30	max. 230



Hardness		Hardening Range	
Austenitizing °C	Cooling	HRC	N/mm ²
1000-1050	Oil, Polymer Bed	51-55	1920

İstanbul / Tuzla

İTOSB 3. Cadde No:10 Tepeören Tuzla İstanbul - Türkiye
T. +90 216 593 3060 / +90 216 593 3872 - 80
F. +90 216 593 36 93 / +90 216 593 20 07
info@birlesikmetal.com.tr

İzmir / Aliğa

Aliğa Organize Sanayi Bölgesi 5008 Sokak No:18/2
Alosb Aliğa/İzmir - Türkiye
T. +90 232 570 0986

Bursa / Nilüfer

T. +90 224 441 3012
C. +90 544 414 9034