

Plastic Mould Steel BM1.2311

1.2311 is a pre-hardened plastic mold steel. It has high toughness and good wear resistance. It has high machinability and an increase in wear resistance can be achieved by nitriding. Suitable for chrome and nickel coating

W.No	1.2311
DIN	40CrMnMo7
AISI / SAE	App. P20
JIS	-

Chemical Composition

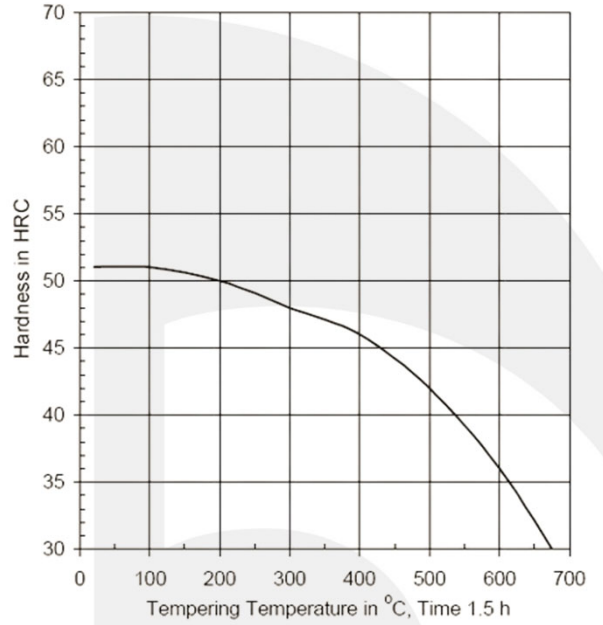
0.35-0.45 % C	0.20-0.40 % Si	1.40-1.60 % Mn
0.15-0.25 % Mo	1.80 – 2.10 % Cr	

Applications

- Die holders
- Backers, bolsters
- Injection moulds
- Shafts, rails
- Wear strips

Heat Treatment Properties

Normalization °C	1050-850
Soft Annealing °C	710-740
Delivery Hardness HB 30	max. 230



Hardness	Hardening Range	
Austenitizing °C	Cooling	HRC
840-870	Vacuum, Hot Bath	50-54

Tempering °C	100	200	300	400
HRC	50	50	48	48

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