

Plastic Mould Steel BM1.2316

1.2316 is a chrome-molybdenum steel with improved corrosion resistance properties, 1.2316 possesses good polishability, toughness, heat resistance and wear-resistant properties. It is often used for tools for processing chemically aggressive plastic materials

W.No	1.2316
DIN	X38CrMo17
AISI / SAE	422
JIS	-

Chemical Composition

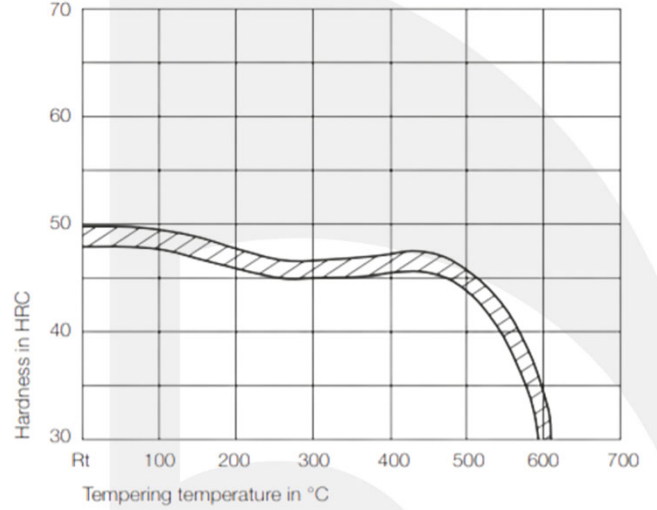
0.33-0.45 % C	≤1.00 % Si	≤1.50 % Mn
15.50-17.50 % Cr	0.80-1.30 % Mo	≤1.00 % Ni

Applications

- High corrosive plastic mould
- Plastic extrusion mold
- Machinery part, shaft of water pump
- Compressor part

Heat Treatment Properties

Normalization °C	1050-850
Soft Annealing °C	810-830
Delivery Hardness HB 30	max. 310



Hardness		Hardening Range
Austenitizing °C	Cooling	HRC
1020-1040	Vacuum, Oil, Fluid bed	48-52

Tempering °C	100	200	300	400	500	600
HRC	49	47	46	46	47	32

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