

Plastic Mould Steel BM1.2312

1.2312 is a pre-hardened (290-325 HB, 31-35 HRC) plastic mold steel. It shows very good machinability with its S content. Like the 2311, the brightness feature is still very good.

Chemical Composition

0.35-0.45 % C	0.20-0.40 % Si	1.30-1.60 % Mn
0.15-0.25 % Mo	1.80 – 1.20 % Cr	

Applications

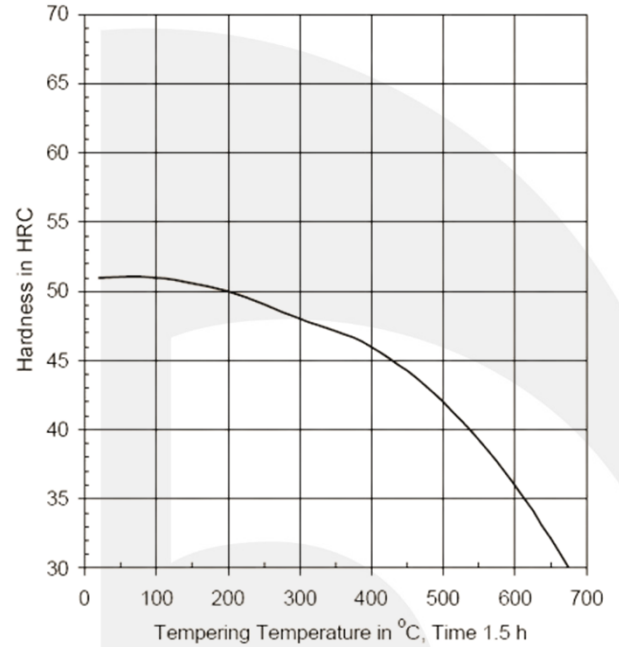
- Medium to large size plastic injection
- tools for synthetic type plastics,
- Pressure casting and plastic injection mold holders
- Fittings, extrusion press sleeves, plastic molds for the automotive and food industry,
- Molds for forming metals under high liquid pressure.

Heat Treatment Properties

Normalization °C	1050-850
Soft Annealing °C	710-730
Delivery Hardness HB 30	max. 230

Hardness	Hardening Range	
Austenitizing °C	Cooling	HRC
870-890	Vacuum, Hot Bath	50-54

Tempering °C	100	200	300	400
HRC	51	50	48	46



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