

# Plastic Mould Steel BM1.2738

DIN 1.2738 Tool Steel is pre-hardened plastic mold steel. It has relatively superior mechanical properties in similar grades of steel, such as 1.2311,1.2312.

Also it has excellent processing properties, such as excellent polishing properties, good machinability and wear resistance

<b>W.No</b>	1.2738
<b>DIN</b>	40CrMnNiMo864
<b>AISI / SAE</b>	P20MOD
<b>JIS</b>	-

## Chemical Composition

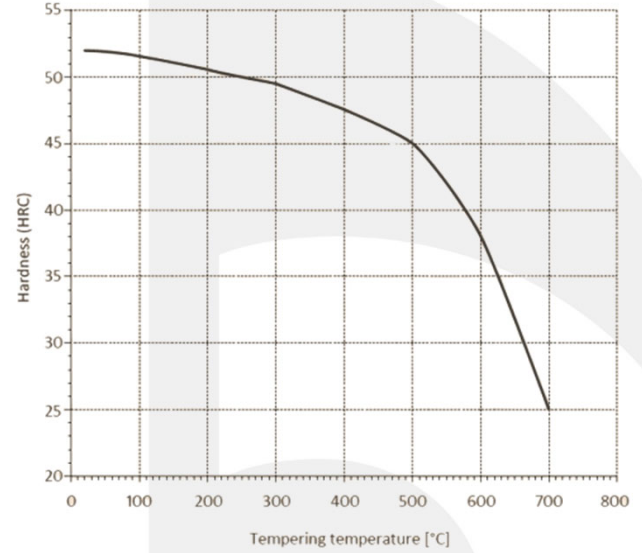
0.35-0.45 % C	0.20-0.40 % Si	1.30-1.60 % Mn
1.80-2.10 % Cr	0.15-0.25 % Mo	

## Applications

- Die casting dies and injection moulds
- Synthetic plastic moulds dies
- Large plastic moulds highly stressed in core
- Hydroforming tools

## Heat Treatment Properties

<b>Normalization °C</b>	1080-850
<b>Soft Annealing °C</b>	710-730
<b>Delivery Hardness HB 30</b>	max. 240



<b>Hardness</b>	<b>Hardening Range</b>	
<b>Austenitizing °C</b>	<b>Cooling</b>	<b>HRC</b>
870-890	Vacuum, Oil, Hot Bath	50-52

<b>Tempering °C</b>	100	200	300	400	500	600
<b>HRC</b>	52	51	49	46	42	36

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