

Plastic Mould Steel BM1.2738MOD

1.2738MOD is a plastic mould steel. Additions of vanadium are made to increase the achievable work hardness and improve the tempering resistance. This grade achieves a homogenous hardness distribution.

W.No 1.2738MOD

DIN -

AISI / SAE -

JIS -

Chemical Composition

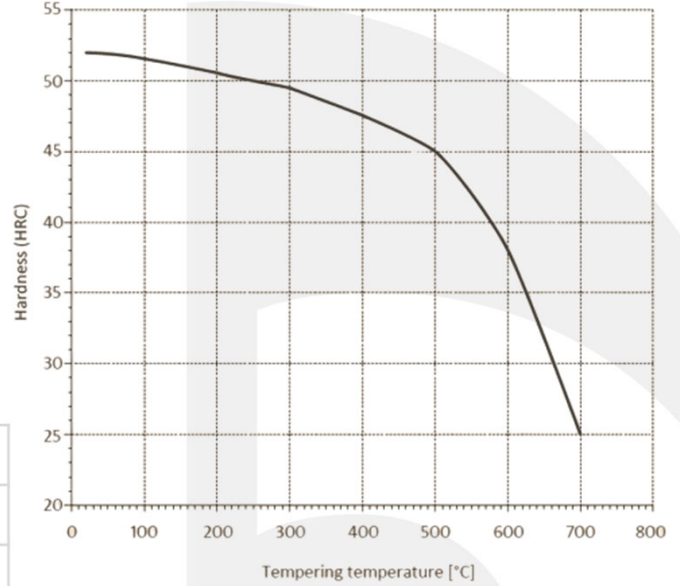
0.28 % C	0.15 % Si	1.40 % Mn	1.00 % Ni
1.30 % Cr	0.50 % Mo	0.12 % V	

Applications

1.2738MOD is typically used for relatively low temperature applications such as injection molds, synthetic plastic molds, particularly suitable for large molds in different fields of industry.

Heat Treatment Properties

Normalization °C	1100-950
Soft Annealing °C	710-740
Delivery Hardness HB 30	max. 235



Hardness	Hardening Range	
Austenitizing °C	Cooling	HRC
860-880	Vacuum, Oil, Polymer	52

Tempering °C	20	100	200	300	400	500	600	700
HRC	52	51.5	50.5	49.5	47.5	45	38	25
N/mm²	1765	1760	1700	1650	1550	1440	1200	850

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