

Cold Work Tool Steel BM1.2379

2379 is a cold work tool steel with 12% Cr, very high resistance against abrasive and adhesive wear due to a high volume of hard carbides in the steel matrix, good toughness, very good dimensional stability, high compressive strength

W.No	1.2379
DIN	X155CrVMo12-1
AISI / SAE	D2
JIS	-

Chemical Composition

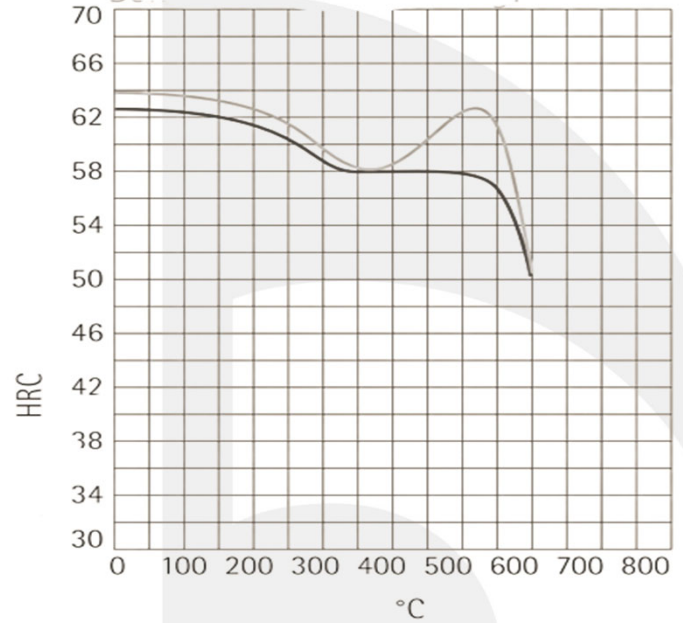
1.45-1.60 % C	0.10-0.60 % Si	0.20-0.60 % Mn
11.00-13.00 % Cr	0.70-1.00 % Mo	0.70-1.00 % V

Applications

- Cutting Tools
- Punching and stamping tools,
- Shear blades,
- Thread rolling dies,
- Cold extrusion dies,
- Drawing and bending tools
- Flanging and strengthening tools

Heat Treatment Properties

Normalization °C	1120-850
Soft Annealing °C	840-880
Delivery Hardness HB 30	max. 255



Hardness		Hardening Range	
Austenitizing °C	Cooling	HRC	
1020-1050	Vacuum, Oil, Fluid bed	63	

Tempering °C	100	200	300	400	500	600	700
HRC	63	61	58	58	59	51	35

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