

SITHERM S570 Steel

Designation by Standards

Brand Name	Ravne	Mat. No.	DIN	EN	AISI/SAE	
SITHERM S570	UTOPMO5	-	-	-	H13 mod.	

Chemical Composition (in weight %)

С	Si	Mn	Cr	Mo	Ni	V	W	Others	
0.56	1.00	0.55		8.00	1.30	max. 0.25	0.65	1.20	-

Description

SITHERM S570 is a 8% chromium hot work tool steel designed particularly for applications requiring extreme toughness combined with good wear resistance.

Applications

Sendzimir rolls, cutting tools, stamping, woodworking, drawing, deep drawing and pressing tools, cold working rolls, measuring tools.

Physical properties (average values) at ambient temperature

Modulus of elasticity [10³ x N/mm²]: 210 Density [g/cm³]: 7.77



Time-Temperature Transformation (TTT) Diagram



Soft Annealing

Brinell hardness in annealed condition is 200-250.

Hardening

Harden from a temperature of 1020°C followed by oil quenching. Hardness after quenching is 58 HRC.

Tempering

Tempering temperature: Approx. 510°C.

Tempering Diagram



Forging

Hot forming temperature: 1100-900°C.

Machinability

No data.

Forms manufactured: Please see the Dimensional Sales Program.

Disclaimer

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