

W.1.2085

CONVENTIONAL MELTING (EF+LF+VD) COMPARABLE GRADES : RAMANX S

• ANAND MOULD STEELS PVT. LTD. • ANAND MOULD STEELS PVT. LTD. • ANAND MOULD STEELS PVT. LTD.

GENERAL:

- corrosion-resistant
- hardened and tempered mould frame steel with improved machinability

APPLICATIONS :

- mould frames with low requirements on the surface condition of the plastic parts as well as the mould inserts
- assembled parts tools used to process plastics which are chemically especially aggressive

CHEMICAL ANALYSIS : %

C	Si	Mn	P	S	Cr	Ni
0,30 - 0,35	≤ 1,00	≤ 1,00	≤ 0,030	0,05 - 0,10	15,0 – 17,0	≤ 1,00

PHYSICAL PROPERTIES :

Coefficient of thermal expansion	20-100 °C	20-200 °C	20-300 °C	20-400 °C	20-500 °C
[10 ⁻⁶ m/(m x K)]	11,0	11,1	11,2	11,6	12,0
Thermal conductivity	20°C	350°C	700 °C		
[W/(m x K)]	11,2	21.0	24,7		

ULTRASONIC :

ASTM A388 - FBH max. 6 mm (1/4 inch) or
SEP 1921 – test group 3 – class C , c or
acc. to your request

CLEANLINESS :

ASTM E45- Method A with type
B; C and D each ≤ 2 or
DIN 50602– K4 ≤ 40 (only oxide) or
acc. to your request

DELIVERY CONDITION :

Soft annealed with max. 230 HB or
hardened and tempered with a hardness of 280 - 325 HB

SERVICE HARDNESS:

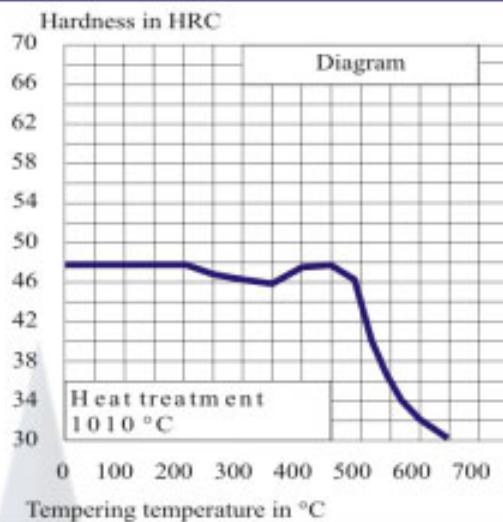
280 - 325 HB

HEAT TREATMENT :

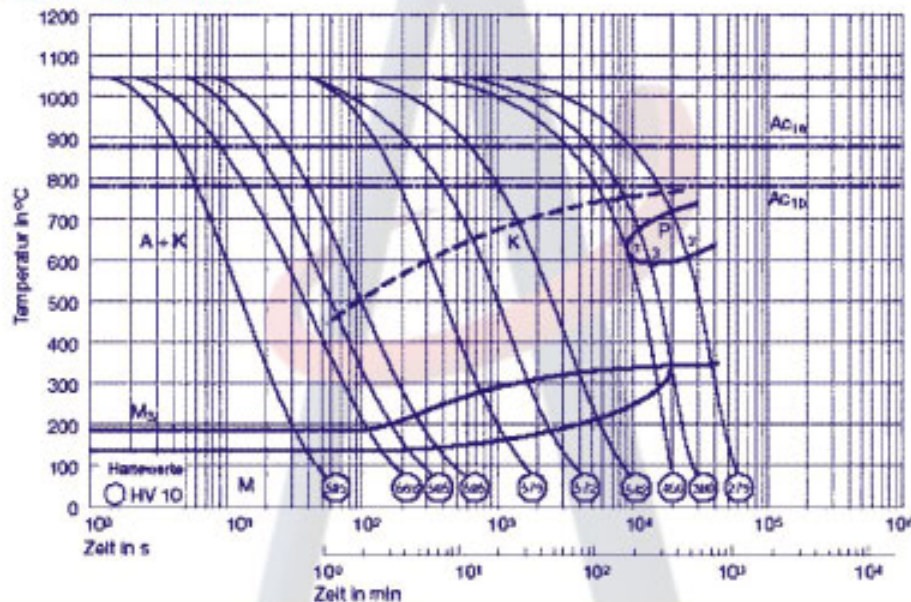
Hot forming	Soft annealing	Hardening	Tempering
1050-850°C	850-880°C	1000 – 1040 °C	560–700°C#

TEMPERING DIAGRAM :

values in HRC
tested on samples
dia. 25 x 50 mm long
hardened at 1010 °C in oil



CCT GRAPH :



DELIVERY SIZES :

Rounds – up to 700 mm

Blocks – up to 600 mm thickness or acc. to your request

The details and values in this data sheet are typical values, no guarantee promises. Changes of the material, the qualities and/or performance data we reserve for us.



Schmiedewerke Gröditz
GmbH . since 1779 . High-Grade Steel



Dedicated to quality since 1977

ANAND GROUP OF COMPANIES
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ANAND STEELS & ALLOYS

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