

Formadur 2085

X33CrS16

C 0.33 Cr 16.00 S 0.05 Ni 0.50

Steel properties

Pre-hardened corrosion-resistant mould frame steel, hardness in as-delivered condition of 280 to 325 HB. Improved machinability in comparison to Formadur 2316.

Standards

AISI ~420FM

Applications

Mould frames, components, plastic moulds.

Heat treatment

Soft annealing °C
850 – 880

Cooling
Furnace

Hardness HB
max. 230

Hardening °C
1000 – 1050

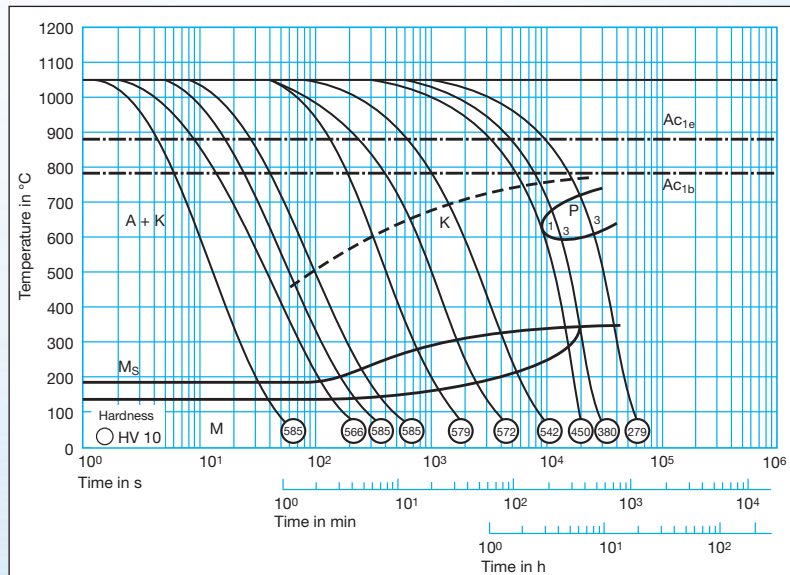
Quenching
Oil

Hardness after quenching HRC
48

Tempering °C
HRC

100	200	300	400	450	500	550	600
48	48	47	46	47	47	36	30

Time-temperature-transformation diagram



Tempering diagram

