

Cryodur 2249

(45SiCrV6)

C 0.45 Si 1.35 V 0.10 Cr 1.35

Steel properties

Tough, impact-resistant tool steel.

Applications

Pneumatic chipping hammers, punching tools, riveting hammers, punches and woodworking tools.

Heat treatment

Soft annealing °C
710 – 750

Cooling
Furnace

Hardness HB
max. 219

Stress-relief annealing °C
approx. 650 – 680

Cooling
Furnace

Hardening °C
860 – 890

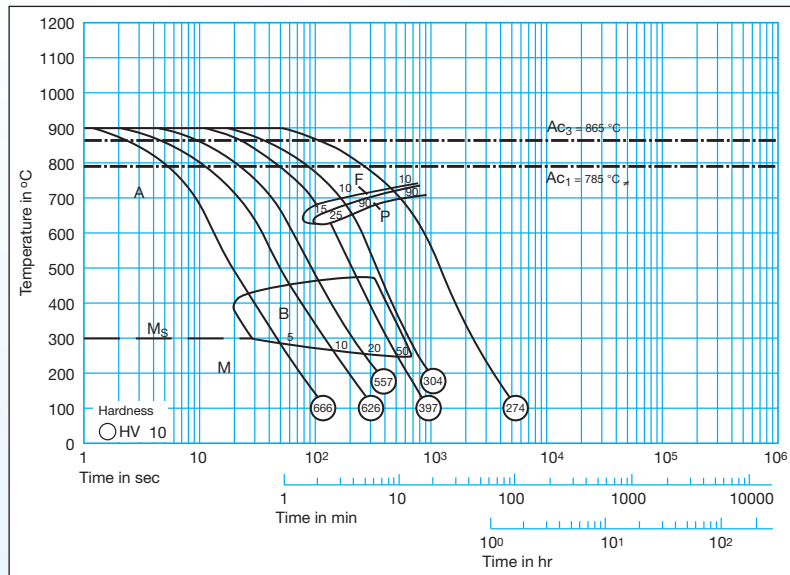
Quenching
Oil

Hardness after quenching HRC
58

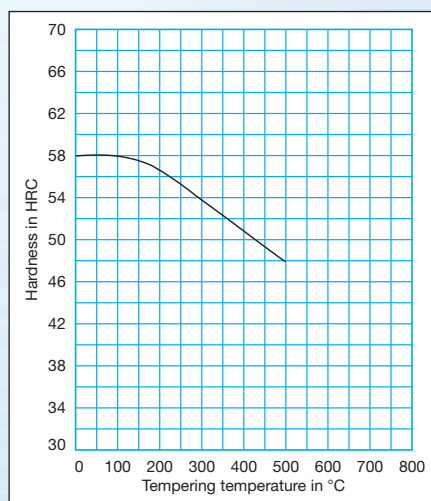
Tempering °C
HRC

100	200	300	400	500
58	57	53	51	49

Time-temperature-transformation diagram



Tempering diagram



Reference numbers in brackets are not standardized in EN ISO 4957.