

Cryodur 2826

(60MnSiCr4)

C 0.63 Si 0.80 Mn 1.10 Cr 0.30

Steel properties High toughness and good resilience in tempered condition.

Standards AISI S4

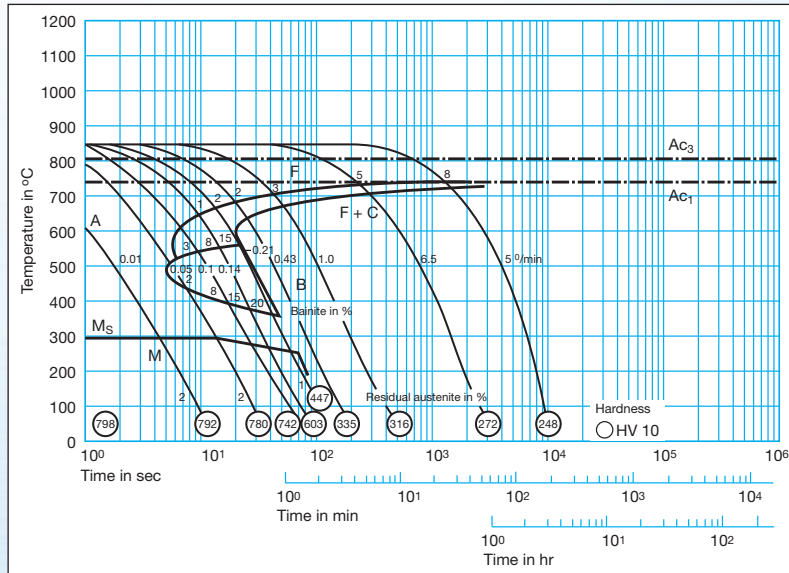
Physical properties

Thermal conductivity at °C	20	350	700
W/(m · K)	34.2	32.6	31.0

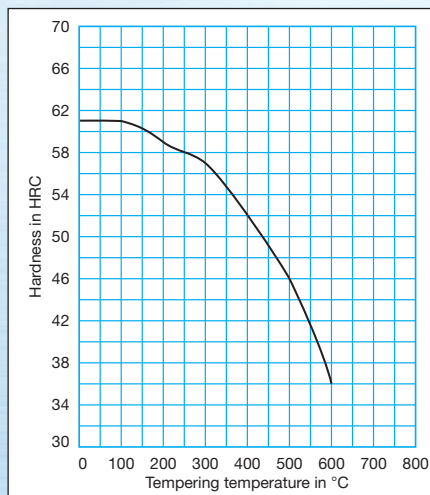
Applications Spring collets, shear blades and trimming dies.

Heat treatment	Soft annealing °C	Cooling	Hardness HB				
	680 – 710	Furnace	max. 220				
	Stress-relief annealing °C	Cooling	Hardness after quenching HRC				
	approx. 650	Furnace	61				
	Hardening °C	Quenching	Hardness after quenching HRC				
	820 – 860	Oil or saltbath, 180 – 220 °C	61				
	Tempering °C	100	200	300	400	500	600
	HRC	61	59	57	52	46	36

Time-temperature-transformation diagram



Tempering diagram



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