



Corrosion resistant knife steel (X70CrMoVN15)

Typical analysis

	C	Si	Mn	P	S	Cr	Mo	V	N
Typical analysis	0.70	0.35	0.55	0.010	0.002	15.3	0.60	0.12	0.160

Values in weight %

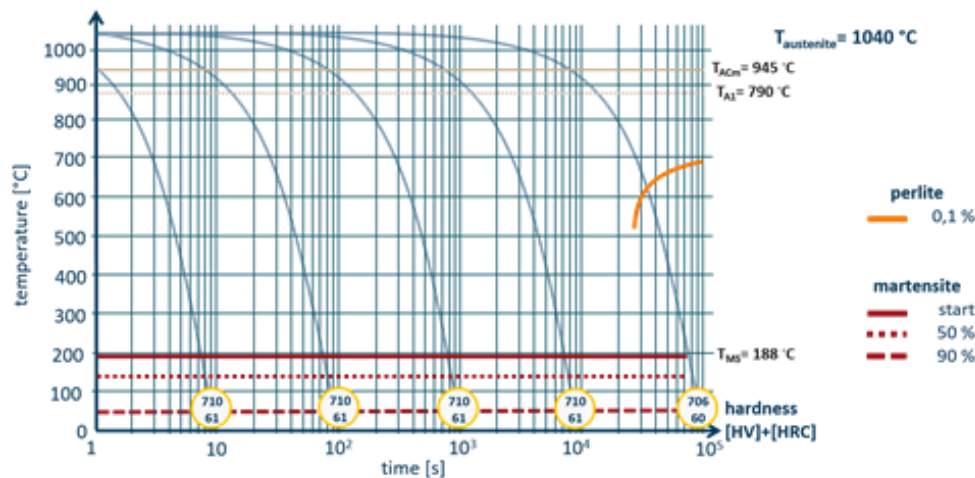
Heat treatment

Soft annealing:	750°C - 850°C	furnace
Hardening:	1020°C - 1100°C	oil, water
Tempering:	150°C - 300°C	

Physical Properties (Reference values for 20°C)

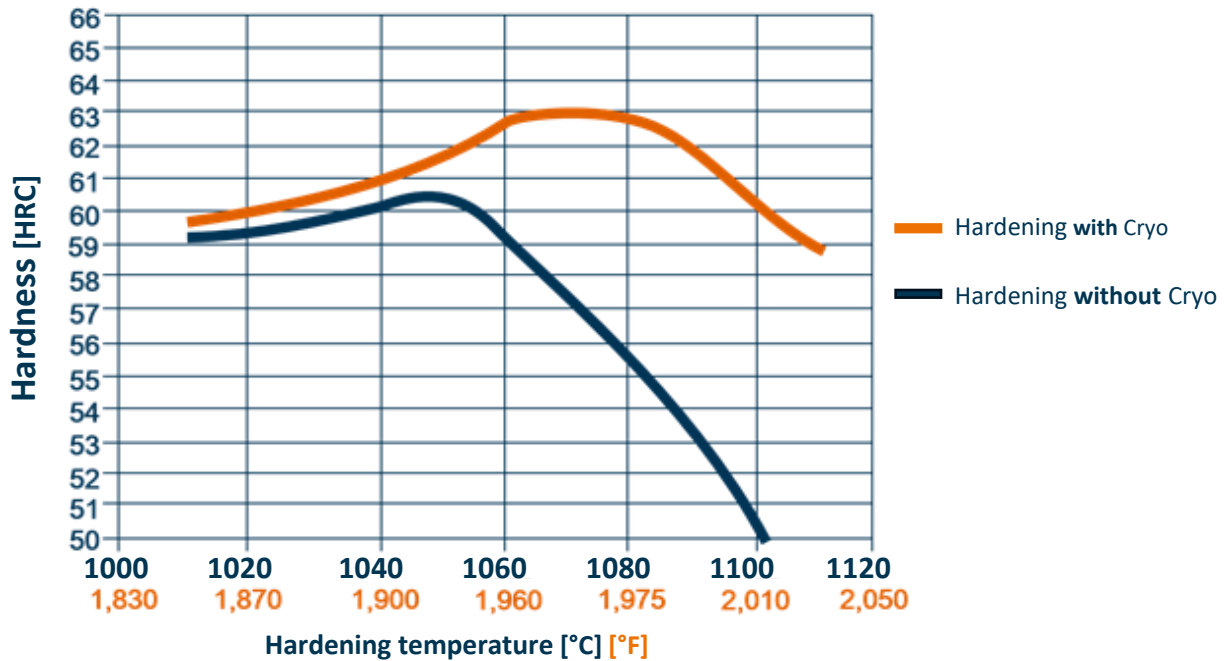
Density [g/cm³]	7.7
Young's modulus [Gpa]	224
Electrical resitivity [Ω·mm² / m]	0.19
Thermal conductivity [W/m·K]	46

CCT-curve (Austenising temperature 1050°C)



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Hardening curve



Annealing Curve (Hardening temperature 1075°C/1965°F)

