

TELMA KNIFE STEELS - TKS

TKS 379

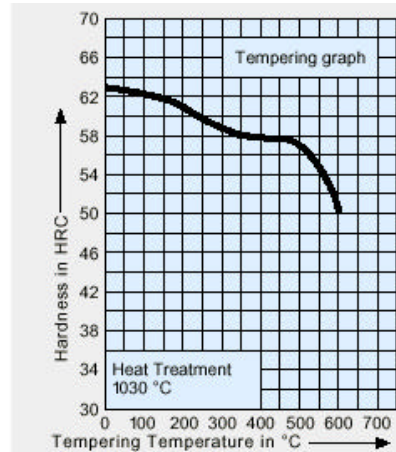
Material no.:
1.2379

Abbreviated name:
X 155 CrMo 12 1

Reference analysis:
C 1.55 Cr 12.0 Mo 0.7 V 1.0 in %

Customary applications:

Deep drawings dies, sections susceptible to fracturing, metal saws, combined cutting and bending, impact edges, shear cutters, trimming dies, thread rolling tools, woodworking tools, hobs, extrusion tools; extrusion and injection moulds for filled plastics, sprue bushings



Heat treatment data:

	Temperature	Duration	Cooling
Soft annealing	820 - 850 °C	2 - 5 h	furnace
Stress-relief annealing	600 - 650 °C	2 - 4 h	furnace
Hardening	1000 - 1050 °C	Group III	oil, air, WB 500 °C
Tempering	480 - 580 °C see tempering graph	min. 2 h depending on cross section	calm air

Continuous time-temperature transformation chart

