

Thermodur 2329

46CrSiMoV7

C 0.45 Si 0.70 Mn 0.80 Cr 1.80 Mo 0.30 Ni 0.60 V 0.20

Steel properties

Excellent tempering resistance, high-temperature strength, full quenching and tempering properties, outstanding weldability, nitridable, PVD and CVD coatable, good machinability.

Applications

Hot-work tool steel for forging dies, pressure disks for extrusion, mould press dies, and many other applications.

Heat treatment

Soft annealing °C

780 – 800

Cooling

Furnace or air

Hardness HB

max. 230

Hardening °C

880 – 920

Quenching

Air, oil or hot bath, 200 – 250 °C

Hardness after quenching HRC

53 – 55

Tempering diagram

