

420 Modified Pre Hard Data Sheet

*Chemical Composition (Nominal Values Weight %)

C	Si	Mn	S	Ni	Cr	P
0.280-0.380	1.000	1.400	0.050-0.100	1.000	15.000-17.000	0.030

*Composition shown is nominal. Actual chemical composition may vary.

Characteristics

420 Stainless Modified Pre Hard is a pre-hardened, low carbon, corrosion resistant steel. It is supplied in the pre-hardened condition at approximately 290-330 HB, offering improved machinability and corrosion resistance.

Applications

420 Stainless Modified Pre Hard: For use in holder plates, backing plates, cavity and ejector plates. Great for plastic/vinyl extrusion dies, unpolished inserts and dies.

		25°C/77°F	100°C/212°F	200°C/392°F	300°C/572°F
Thermal expansion coefficient (from 25°C)	10 ⁻⁶ /K	–	10.6	10.7	10.9
Thermal conductivity	W/mK Btu in/(ft ² h°F)	27.4	28.3	28.2	28.0
Young modulus	kN/mm ²	205	–	–	–