

4140 Modified Pre Hard Data Sheet

*Chemical Composition (Nominal Values Weight %)

C	Si	Mn	S	Cr
0.40	0.30	1.50	0.07	1.90

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

Characteristics

4140 Modified Pre Hard is a chromium-manganese steel. It is supplied in the pre-hardened condition at approximately 290-330 HB, offering improved machinability and corrosion resistance.

Applications

4140 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	7.0	-	-	12
Thermal conductivity	W/mK Btu in/(ft ² h°F)	29	-	-	30
Young modulus	kN/mm ²	205	-	-	-