

# 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.

## 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 <sup>-6</sup> /K	7.0	–	–	12
Thermal conductivity	W/mK Btu in/(ft <sup>2</sup> h°F)	29	–	–	30
Young modulus	kN/mm <sup>2</sup>	205	–	–	–