

# P20 Modified Data Sheet

## \*Chemical Composition (Nominal Values Weight %)

C	Si	Mn	Cr	Mo
0.38	0.30	1.50	1.90	0.20

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

## Characteristics

**P20 Modified** is a chromium-manganese steel. It is supplied in the pre-hardened condition at approximately 290-330 HB.

## Applications

**P20 Modified:** For use in plastic injection molds, extrusion dies and compression molds.

		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	–	–	–