

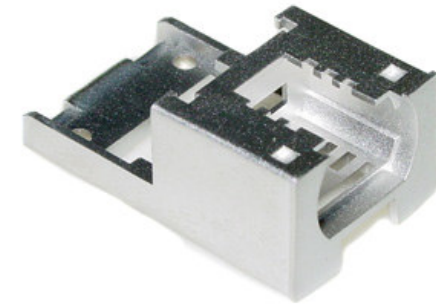
Kinetics

A Climax Engineered Materials Company

MATERIALS & PROPERTIES

MIM 440C HIP and Heat Treated

Material Properties	Kinetics	
	Minimum	Typical
Ultimate Strength (KSI)	220	240
Yield Strength (KSI)	175	180
Elongation (% in 1")	-	1
Reduction in Area (%)	-	-
Surface Finish (Ra)	-	45
Macro Hardness (R15N)	-	85
Sintered Density (g/cm ³)	-	7.69 (HIP)



Material Description

Martensitic stainless steel. Excellent strength, hardness and wear resistance while offering some corrosion resistance. Magnetic. Often used for automotive, cutlery, industrial equipment, power hand tools, pumps, sporting equipment, surgical instruments, valves and applications where very high strength, hardness, wear resistance and some corrosion resistance is required.

Material Composition

Fe	Cr	Mo (Max)	C
Balance	16-18	.75	.95-1.2