

# LOW-ALLOY STEELS

## Advamet® or Advacat® 8740 Datasheet

Advamet® is a wax/polymer binder system.

Advacat® is a POM based (catalytic) binder system.

### Typical Chemical Composition (post Sinter)

C (%)	Ni (%)	Mo (%)	Cr (%)	Fe (%)
0.45-0.55	0.50-0.80	0.25-0.45	0.40-0.60	balance
Other elements not to exceed 1.0% combined.				
All percentages are in weight percent.				

### Typical Mechanical Properties

Nominal Typical Values	Density	UTS	YS	Elongation
	(g/cm <sup>3</sup> )	(ksi)	(ksi)	%
As-sintered	7.5	125	77	8
Heat-treated	7.5	232	203	5

Actual results depend on processing – sintering and heat treatment cycles – used.



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