

LOW-ALLOY STEELS

Advamet® or Advacat® FN-0205 Datasheet

Advamet® is a wax/polymer binder system.

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

Typical Chemical Composition (post Sinter)

| C (%) | Ni (%) | Fe (%) |
|---|---------|---------|
| 0.4-0.6 | 1.9-2.2 | balance |
| Other elements not to exceed 1.0% combined. | | |
| All percentages are in weight percent. | | |

Typical Mechanical Properties

| Nominal Typical Values | Density (g/cm ³) | UTS (ksi) | YS (ksi) | Elongation (%) |
|------------------------|---------------------------------|--------------|-------------|-------------------|
| As-sintered | 7.5 | 55 | 25 | 3 |
| Heat-treated (30HRC) | 7.5 | 116 | 102 | 5 |
| Heat-treated (55HRC) | 7.5 | 174 | 145 | 2 |

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



4511 W. 99th St.,
Carmel, IN 46032 USA
317-337-0441
info@ampmim.com

