

LOW-ALLOY STEELS

Advamet® or Advacat® 2700 Datasheet

Advamet® is a wax/polymer binder system;

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

Both systems are compliant to MIPF Standard 35: MIM-2700

Typical Chemical Composition (post Sinter)

| C (%) | Ni (%) | Mo (%) | Si (%) | Fe (%) |
|---------|---------|---------|---------|---------|
| 0.1 max | 6.5-8.5 | 0.5 max | 1.0 max | 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 ³) | (ksi) | (ksi) | (in./in.) |
| As-sintered | 7.6 | 60 | 37 | 26 |

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



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