

Ancorloy® DH-1

Ancorloy DH-1 is a new press-ready, engineered binder-treated premixed ferrous P/M material designed for sinter-hardening. It has comparable performance to a diffusion alloyed product of the same composition. Ancorloy DH-1 is a hybrid alloy based on Ancorsteel 150 HP to which 2 w/o copper has been added during a binder-treated premixing operation. It is designed for use in sinter-hardening applications that do not need the extremely high hardenability of Ancorsteel 737 SH.

Typical Analysis and Properties

Composition (weight %)

| Fe | Mo | Mn | Cu |
|---------|------|------|-----|
| Balance | 1.45 | 0.15 | 2.0 |

Apparent Density

3.10 g/cm³

Flow

31 s/50 g

Green and Sintered Density vs Compaction Pressure



