

Technical Data Sheet

AMPCO[®] 26

Forgings



Nominal composition:

(not published)

| Mechanical and physical properties | Units | Nominal Values |
|---------------------------------------|--------------------------------|----------------|
| Brinell hardness | HB 30 | 420 |
| Rockwell hardness | HRC | 44 |
| Compressive strength R_{mc} | MPa | 1608 |
| Compressive strength, 0.1 % perm. set | MPa | 715 |
| Density ρ | g / cm ³ | 6.84 |
| Coefficient of expansion α | 10 ⁻⁶ / °K | 16 |
| Thermal conductivity λ | W / m · °K | 33 |
| Electrical conductivity γ | m / Ω · mm ² | 4 |
| Electrical conductivity | % I.A.C.S. | 8 |
| Specific heat c_p | J / g · °K | 0.42 |

Assurances given with respect to properties or uses are subject to written approval from AMPCO METAL.

AMPCO[®] 26 is a patented hard grade aluminium bronze. Its exceptional hardness makes it a unique material. However, this extreme hardness means fragility and machinability difficulties. This alloy has very limited uses and machinability, but it gives exceptional results.

APPLICATIONS:

Stainless steel drawing dies, forming rolls under great stresses and extreme pressures are the most typical applications for this alloy.