

Technical Data Sheet
AMPCO[®] 26
Continuous Castings

Nominal composition:

(not published)

Mechanical and physical properties	Units	Nominal Values
Brinell hardness	HBW 10/3000	418
Rockwell hardness	HRC	43
Compressive strength R_{mc}	MPa	1515
Compressive strength, 0.1 % perm. set	MPa	689
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.