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DuraKapp™ #11 Babbitt

Description

DuraKapp™ #11 Babbitt is a general purpose, high speed, Tin-based Babbitt. Kapp Alloy's unique Precision Microcasting™, combined with high purity virgin raw materials, results in the world's strongest, most ductile Tin-based Babbitt.

DuraKapp™ #11 Babbitt meets or exceeds the specifications for ASTM #11 Babbitt - also known as Grade 11 Babbitt. We back all of our products with a 100% satisfaction guarantee or your money back.

Applications

- Thin bearings in light to medium pressure applications
- Typically found in band saws, crushers, crushing rolls, cutters, dynamos, saw mills, mill gears, trimmers and tube mills
- Electric pumps
- Regular duty engines and compressors
- Paired with [KappaTinning™ Compound](#) and [Kapp CopperBond™ Flux](#)

Properties

Specification	
ASTM B23:	Grade 11
QQ-T-90A:	NA
Composition	
Tin (Sn):	86.0-89.0%
Antimony (Sb):	6.0-7.5%
Copper (Cu):	5.0-6.5%
Lead (Pb):	0.35% (max.)
Technical Data	
Melting Temperature Range:	471-495°F (244-257°C)
Pouring Temperature:	621°F (327°C)
Brinell Hardness @ 68°F (20°C):	27.5
Tensile Strength (Chill Cast):	10,000 psi (69 MPa)
Elongation at Break:	1%
Yield Point Compression at Temperature:	6,600 psi (45.5MPa) @ 68°F (20°C); 3,150 psi (21.7 MPa) @ 212°F (100°C)
Johnson's Apparent Elastic Limit:	5,350 psi (36.9 MPa) @ 68°F (20°C); 1,300 psi (9.0 MPa) @ 212°F (100°C)

Product Variants

*Available in standard forms: 35 lb. (15.9 kg) ingots, 6 lb. (2.7 kg), notch bars, and 1 lb. (0.5 kg) bars. Custom alloys and forms are our specialty. Call Kapp Alloy to discuss your specific project.

Also Order

- [KappaTinning™ Compound](#)
- [Kapp CopperBond™ Flux](#)
- [Stainless Steel brushes](#)