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DuraKapp™#15 Lead-Based Babbitt

Description

DuraKapp™#15 Babbitt is a general purpose, low speed, Lead-based Babbitt with good tensile and compression strengths under shock and load with little lubrication. Kapp Alloy's unique Precision Microcasting™ process, combined with high purity virgin raw materials, results in the world's strongest, most ductile Lead-based Babbitt.

DuraKapp™#15 Babbitt meets or exceeds the specifications for ASTM #15 Babbitt —also known as Durite, Grade 15, or QQ-T-390A No. 10 Babbitt. We back all of our products with a 100% satisfaction guarantee or your money back.

Applications

- Slower speed, heavy load and pressure settings in small or large bearings
- Especially useful in older equipment to conform to small consistent imperfections in shafts and shells
- Refurbishing Grade 15 bearings in heavy load and pressure applications in low speed shafts and drives
- Found in drives and equipment with little lubrication or maintenance
- Older slower speed shafts, drives, motors, and engines
- Found in material handling and mixing equipment – pulverizers, mixers, screeners, grinders, and woodworking machinery (saw mills, tables, and shapers)
- Paired with **KappaTinning™ Compound** and **Kapp CopperBond™ Flux**

Properties

Specification	
ASTM B23:	Grade 15
QQ-T-90A:	No. 10
Composition	
Sn (Tin):	0.8-1.2%
Sb (Antimony):	14.5-17.5%
Pb (Lead):	Balance
As (Arsenic):	0.8-1.4%
Technical Data	
Melting Temperature Range:	478-538°F (248-281°C)
Pouring Temperature:	662°F (350°C)
Brinell Hardness @ 68°F (20°C):	21.0
Tensile Strength (Chill Cast):	10,300 psi (71 MPa)
Density:	10 g/cm^3 (650 lb/ft^3)
Elastic (Young's, Tensile) Modulus:	23 GPa (3.3 x 10^6 psi)
Poisson's Ratio:	0.4
Specific Heat Capacity:	140 J/kg-K (0.035 BTU/lb-°F)
Thermal Expansion:	26 µm/m-K

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 with your specific project.