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DuraKapp™#13 Lead-Based Babbitt

Description

DuraKapp™#13 Babbitt is a general purpose, low speed, Lead-based Babbitt with good tensile and compression strengths under shock, load, pounding, and vibration. 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™#13** meets or exceeds the specifications for ASTM #13 Babbitt —also known as Grade 13. 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 13 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 elevators, hoists, conveyors, hydraulic presses and pumps, mixers, and grinders
- Paired with **KappaTinning™ Compound** and **Kapp CopperBond™ Flux**

Properties

Specification	
ASTM B23:	Grade 13
QQ-T-90A:	NA
Composition	
Sn (Tin):	5.5-6.5%
Sb (Antimony):	9.5-10.5%
Pb (Lead):	Balance
As (Arsenic):	0.25% (max.)
Technical Data	
Brinell Hardness @ 68°F (20°C):	19.0
Tensile Strength (Chill Cast):	10,200 psi (70 MPa)
Elongation on Break:	5%
Fatigue Strength:	NA
Yield Point, Compression at Temperature:	68°F (20°C) = 3390 psi (23.4 MPa); 212°F (100°C) = 1750 psi (12.1 MPa)
Johnson's Apparent Elastic Limit psi (MPa):	68°F (20°C) = 2640 psi (18.3 MPa); 212°F (100°C) = 1200 psi (8.3 MPa)
Melting Temperature Range:	460-490°F (243-254°C)
Pouring Temperature:	620°F (327°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.