



PO Box 1188, 1 Klein Street, Oil City, PA 16301-0688
Telephone: 800-327-6533 Fax: 814-676-5565
Website: www.kappalloy.com, email: jack@kappalloy.com

DuraKapp™#7 Lead-Based Babbitt

Description

DuraKapp™#7 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™ combined with high purity virgin raw materials results in the world's strongest, most ductile Lead-based Babbitts. **DuraKapp™#7** Babbitt meets or exceeds the specifications for ASTM #7 Babbitt —also known as Heavy Pressure, Grade 7, or QQ-T-390A No. 7 Babbitt. We back all of our products with a 100% satisfaction guarantee or your money back.

Applications

- Specifically designed for use in slower speed heavy load and pressure settings in small or large bearings
- Especially useful in older equipment to conform to scored or imperfect shafts
- Refurbishing Grade 7 bearings in heavy load and pressure applications in low speed shafts and drives. Historically found in equipment running slowly and continuously with little lubrication or maintenance
- Older slower speed rollers, drives, motors, and engines
- Air compressors
- Hydraulic pumps
- Paired with [KappaTinning™ Compound](#) and [Kapp CopperBond™ Flux](#)

Properties

Specification	
ASTM B23:	Grade 7
QQ-T-90A:	No. 7
Composition	
Sn (Tin):	9.3-10.7%
Sb (Antimony):	14.0-16.0%
Pb (Lead):	Balance
As (Arsenic):	0%
Technical Data	
Melting Temperature Range:	464-514°F (240-268°C)
Pouring Temperature:	640°F (338°C)
Brinell Hardness (@ 68°F / 20°C):	22.5
Tensile Strength (Chill Cast):	10,400 psi (72 MPa)
Elongation at Break:	4%
Fatigue Strength:	NA
Yield Point, Compression at Temperature:	@ 68°F (20°C) = 3,550 psi (24.5 MPa); @ 212°F (100°C) = 1,600 psi (11 MPa)
Johnson's Apparent Elastic Limit:	@ 68°F (20°C) = 2,500 psi (17.2 MPa); @ 212°F (100°C) = 1,350 psi (9.3 MPa)

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.