

► PEWTER ALLOYS



Pewter Alloys are extensively used for high quality gift and statuary items. Our Alloys are Lead Free to assure your customer a safe material for their home or office.

The definition of Pewter?



The American Pewter Guild (APG), The American Society for Testing and Materials (ASTM) and the Federal Trade commission (FTC) all worked together to come up with a definition of what Pewter is. Their consensus? "A metal alloy product of which the chemical composition shall be not less than 90 % Grade 'A' Tin, with the remainder composed of metals appropriate for use in pewter."

Our definition of Pewter?

A Tin based alloy, greater than 90%, created with the best materials possible and produced to the highest quality, allowing it to become "A thing of beauty".

NEY has been producing Pewter alloys to help create stunningly designed items for 150 years. Our long history is filled with helping prestigious casting houses, such as Perth, Lance, Chilmark, Hudson, Legends, Michael Ricker, Seagull, Basic Spirit and so many more, create lifetime memories with beautiful heritage items.

Pewter and Tin alloys have been in existence for over 2000 years. Elaborate antique Pewter items have been created since the Bronze Age. One of the earliest pieces of antique Pewter was the Abydos Bottle found in an Egyptian tomb that dates back to 1450 BC, so Pewter is truly a Noble Metal.

Figurines, and Ornamental items can be easily cast into molds of bronze, steel plaster or sand, using the gravity pour method. Our Pewter is best formed by centrifugal (spin) casting, using natural rubber or silicone molds. This method became popular in the 1960's. By pressing, rolling, spinning on a lathe or hand forming Pewter, it can be manipulated into many striking forms and designs like Plates, Flatware, Charms, Goblets and Tankards. These processes are still the primary techniques used by manufacturers of Quality Spun Pewter goods today.

Whatever type of Pewter or Custom Tin formulas you may require, NEY is your single alloy source. You can rely on our decades of experience, gained from our past, that is available to you today, for the products of tomorrow.



JEWELRY ALLOYS

Tin Based Alloys, like Pewter, also have the look of Sterling Silver without the cost or constant upkeep. His ability to mimic precious metals was expanded upon in the early 20th Century when forming Fashion (Costume) Jewelry. It was a new and thriving industry. NEY was instrumental in designing those alloys for the new Power Houses of Costume Jewelry, such as Coro, Monet, Napier, 1928, Miriam Haskell and Trifari, as many of them began their growth in Manhattan and then spread across the globe.

Our alloys can still be found around the world, from individual works of art in Europe, to mass produced items in the Pacific Rim.



It is interesting to note that Bismuth was not a common metal found in Pewter. Only in the mid 1980's did it become a valuable addition. NEY (then Ney Smelting & Refining Co. Inc.) was instrumental in designing those new alloys with Bismuth and Silver, allowing them to cast well and remain Lead free. We worked alongside prestigious casting houses to formulate these new Lead Free Pewters. Today, those formulas are the building blocks for all NEY Lead Free alloys. Our bestselling ENTB formula is certified as food grade safe. As an ISO 9001 Company, trust us for assurance that the safety of your product goes beyond just alloy compliance.



The quality of any Jewelry begins with quality materials. NEY Fashion Jewelry Alloys are designed to produce the optimum casting quality from large necklaces with thick cross sections to delicate earrings with fine filigree.

FEATURED PRODUCTS

Lead Free Pewter with Silver Alloy - 798NENTB	Tin: 97-99% with Bismuth and Silver in a proprietary formula. This is a high purity Tin based Lead Free Pewter Alloy that meets or exceeds most Lead Free requirements. We certify it to be less than 30 ppm Lead Content. It works well in Spin Cast, Rubber or Silicone Molds.
Lead Free Pewter with Silver Alloy - 798NENS	Tin: 97-99% with Bismuth and Silver in a proprietary formula. This is a high purity, economical version of our best selling ENTB Alloy. A Tin based Lead Free Pewter Alloy that does not contain Antimony. This is important for some regulations, especially in the European markets. Designed for castings with thick cross sections or a smooth, polished finish and some malleability.
Lead Free Pewter (Britannia) Alloy - 791NR8	Tin: 91-93% with Antimony and Copper. This is a Lead Free Pewter, also referred to as a Britannia Alloy that works well in Spin Cast Molds for designs, such as Fashion (Costume) Jewelry with thin cross sections or fine filigree and maximum detail requiring less malleability and more strength.
Lead Free Pewter (Gravity Cast) Alloy - 791NB7	Tin: 91-93% with Antimony and Copper. This Lead Free Pewter Alloy is high in Copper to allow it to work well in Open Face, Gravity Pour, Sand and Cast Iron Molds with maximum detail. Has good strength for pronging, belt buckles, broaches, etc.
Lead Free Pewter Shot Form Alloy - 791NBMS	Tin: 91-93% with Antimony and Copper. This Lead Free Pewter Alloy is in shot form for small crucibles and special melts. Ideal for Trade School classroom environments. It is high in Copper for good strength and works well in Open Face, Gravity Pour, Sand Molds and Cast Iron Molds when you need maximum detail.

