



Ney Metals & Alloys

METALS - WHITE METAL ALLOYS - SOLDERS

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“E” SERIES

WE HAVE EXPANDED OUR LINE OF LEAD FREE / CADMIUM FREE ALLOYS FOR THE CENTRIFUGAL SPIN CAST INDUSTRY WITH THE INTRODUCTION OF OUR ENVIRONMENTALLY COMPLIANT “EN” ALLOYS THAT MIMIC THE CASTING QUALITIES OF OUR “D” SERIES ALLOYS.

THESE VALUES ARE APPROXIMATE FOR THE ALLOYS LISTED BELOW:

EN-1, EN-2 (TIN, ANTIMONY, BISMUTH, COPPER)

EN-A, EN-B (TIN, ANTIMONY, BISMUTH)

EN-T, EN-S, ENTB (TIN, BISMUTH, SILVER)

ELONGATION (2" SECTION):	20% - 40%
LIQUIDUS TEMPERATURE:	465F – 485F
SOLIDUS TEMPERATURE:	438F – 465F
CASTING TEMPERATURE:	515F – 635F
DENSITY:	.23 - .275 LB. / CU. IN. @68 F
BRINELL:	18 – 25
TENSILE STRENGTH:	5,000 psi – 8700 psi
SOLDERABILITY:	Can be soldered easily with a soft solder and flux
FINISHES:	Mechanical, chemical, organic and electroplated
FORMS:	Pig, ingot, bar, shot, powder, wire. (Special forms available)

PLEASE NOTE:

IT IS VERY IMPORTANT TO AVOID ANY CONTAMINATION OF THESE ALLOYS. THEY ARE COMPATIBLE AMONG THE “EN” SERIES AND HAVE BEEN DESIGNED TO PREVENT CONTAMINATION OF OUR POPULAR “D” SERIES ALLOYS. IF MIXED BY ACCIDENT THE ONLY NOTICEABLE PROBLEM IS THE CREATION OF A MUCH WIDER PLASTIC RANGE AND A LONGER SOLIDIFICATION SPIN TIME IN THE MOLD.

PLEASE CONTACT OUR TECHNICAL DEPARTMENT FOR ADDITIONAL INFORMATION ON PROPER VENTING AND GATING TECHNIQUES FOR HIGH POLISH PIECES.

SPECIFY NEY “ENVIRONMENTALLY CORRECT” LEAD FREE ALLOYS, METALS & PRODUCTS

Aluminum Solder	Cadmium Free Alloys	High Purity Metals	Low Temperature Alloys	Spin Cast Alloys
Antimony	Cadmium	Indium	Pewter	Tin Alloys
Babbitt	Centrifugal (Spin Cast) Alloys	Lead	Phosphor Tin	Tin
Base Metal	Eutectic Low Melt Alloys	Leaded Alloys	Powdered Metals	Zinc Die Cast Alloys
Bismuth	Fashion Jewelry Alloys	Lead Free Alloys	Solders	Zinc Spin Cast Alloys
Britannia	Fusible Alloys	Lead Free Pewters	Special Alloys	Zinc Sheets

ASK FOR US BY NAME ! • NEYLO • NEYLITE • NEY380 •
 NEW WHITE METAL ALLOYS AND CUSTOM FORMULAS PRODUCED TO ORDER