DERINGER·NEY
Your Total Solution From a Single Source

Properties of Ney 75

Ney 75 is a silver-copper nickel alloy developed to offer a combination of high electrical conductivity with moderate mechanical properties and good wear resistance. The alloy is wrought hardened with the final strength and conductivity characteristics being strongly dependent on the final temper. The alloy properties make it a good candidate material for sliding electrical contact application and some low current arcing applications.

Mechanical and Electrical Properties - Wire

Condition	UTS ksi	Elongation % In 2 in.	Hardness, Knoop (Hk 100 gr)	Electrical Conductivity % IACS
Annealed	40-55 (ksi) 280-380 (MPa)	10 min	100-125	76 nominal
Spring Temper	80(ksi) min	1 min	150-180	70 nominal
Special tempers Available upon request				

Physical Properties

Density, dwt / cu. in.	105.8	Modulus of Elasticity x 10^6 psi	12.3

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