

# XP10

## Chemical Composition

	Wt. %
Copper	Balance
Iron	0.050-0.150
Phosphorous	0.025-0.040
Other	0.50 max

## Physical Properties

	US Customary Unit
Melting Point	1,980 (°F)
Density	0.323 (lbs/in <sup>3</sup> @68°F)
Electrical Conductivity (Annealed)	90 (%IACS @ 68°F)
Thermal Conductivity (Annealed)	201 (Btu•ft/ft <sup>2</sup> •hr•°F) @68°F
Modulus of Elasticity (Tension)	17,200 ksi

## Mechanical Properties (US Customary Units)

	Temper						
	H010	H020	H030	H040	H060	H080	H100
Tensile Strength (ksi)	40-55	47-60	52-62	56-66	60-70	64 min.	66 min.
Yield Strength (0.2% Offset, ksi)	20-35	44-59	50-62	54-66	58-70	62 min.	64 min.
Elongation (%)	20	5	4	3	2	1	1
XP10 Conductivity (Typical %IACS)	90	90	90	90	90	90	90

## Bend Properties

Bends at .690" wide 90 degree	Temper					
	H01	H02	H03	H04	H06	H08
Goodway – (min. R/T)	0.0	0.0	0.0	0.5	1.0	1.5
Badway – (min. R/T)	0.0	0.0	0.0	1.0	1.5	2.0

Details released herein are believed to be accurate at the time of issue and are considered for general information only. Use of this information is to be at the consumer's discretion.

