



Technical Data Sheet

TYPE PHOSPHOR BRONZE STRIP

Alloy 510 Phosphor bronze strip, ASTM-B-103, offers excellent corrosion resistance and good strength and electrical conductivity. Gibbs stocks Grade A phosphor bronze in spring temper (8#'s hard) in the RB 94 - 98 Rockwell range. Gibbs stocks gauge ranges from .006" - .031"

Chemical Composition ASTM-B-103	%	Thickness	Tolerance (inch) B-248 0 - 8" width
Tin	4.2 – 5.8	Over .004 - .006 incl	+/- .0006
Phosphorus	0.03 - 0.35	Over .006 - .009 incl	+/- .0008
Iron	0.10 max	Over .009 - .013 incl	+/- .0010
Lead	0.05 max	Over .013 - .017 incl	+/- .0013
Zinc	0.30 max	Over .017 - .021 incl	+/- .0015
Copper	remainder	Over .021 - .026 incl	+/- .0020
		Over .026 - .037 incl	+/- .0025
Mechanical Properties (ASTM- ASTM-B-103)			
Condition	Tensile PSI		Hardness
Full Hard	95,000 – 110,000		RB 94 - 98

Additional Information		
Width Tolerance	+/- .003	
Camber Tolerance	Up to and including 1.500" wide	.500" in 8 feet
	Over 1.500" wide	.250" in 8 feet
Edges available	#3 Slit edge	
	#5 Deburred edge	
	#1 Round edge	

The above charts are intended to provide general background information. You should also review the appropriate material specification. Please contact Gibbs if you have any questions.