



## thyssenkrupp Materials NA

Copper and Brass Sales \* Ken-Mac Metals \* OnlineMetals.com  
 thyssenkrupp Steel Services \* thyssenkrupp Industrial Services \* thyssenkrupp Materials de  
 Mexico \* thyssenkrupp Engineered Plastics

**Daily Metal Values**  
 Market Close Numbers will be effective on file as of :  
**8/19/2019**

	8/16/2019 Market Close	8/15/2019 Prior Close	Change
Comex Copper	2.5900	2.5895	0.0005
Published Copper	3.3700	3.3700	0.0000
Published Zinc	2.0300	2.0300	0.0000
Published Tin	13.3826	13.4166	-0.0340

LME Aluminum	0.7963	0.7904	0.0059
LME Copper	2.5900	2.5839	0.0061
LME Zinc	1.0272	1.0260	0.0012
LME Nickel	7.2983	7.2530	0.0453
LME Tin	7.6226	7.6566	-0.0340
LME Lead	0.9299	0.9276	0.0023
Comex Silver per Troy Oz.	17.0960	17.1880	-0.0920

LME Alum (3-mth future avg)	0.8133	0.8101	0.0032
Midwest Spot Alum (Daily)	0.9765	0.9733	0.0032

Averages:	Month to Date	Prior Month
Nickel	6.9564	6.1064
Comex CU	2.5862	2.6866
Midwest Spot	0.9697	0.9920

USD to CAD Conversion Effective:	08/19/2019	1.32990
CAD to USD Conversion Effective:	08/19/2019	0.75194

Weekly:	08/15/19	08/08/19	Change
Ferro-chrome HC min 60-65% Cr 6-8% C	1.02	1.02	0.00