



## 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 :  
 1/17/2020

|                  | 1/16/2020<br>Market Close | 1/15/2020<br>Prior Close | Change  |
|------------------|---------------------------|--------------------------|---------|
| Comex Copper     | 2.8520                    | 2.8700                   | -0.0180 |
| Published Copper | 3.6300                    | 3.6500                   | -0.0200 |
| Published Zinc   | 2.1200                    | 2.1000                   | 0.0200  |
| Published Tin    | 14.7909                   | 14.6661                  | 0.1248  |

|                           |         |         |         |
|---------------------------|---------|---------|---------|
| LME Aluminum              | 0.8137  | 0.8067  | 0.0070  |
| LME Copper                | 2.8579  | 2.8268  | 0.0311  |
| LME Zinc                  | 1.1059  | 1.0841  | 0.0218  |
| LME Nickel                | 6.4818  | 6.3276  | 0.1542  |
| LME Tin                   | 8.0309  | 7.9061  | 0.1248  |
| LME Lead                  | 0.9194  | 0.8893  | 0.0301  |
| Comex Silver per Troy Oz. | 17.8750 | 17.9230 | -0.0480 |

|                             |        |        |        |
|-----------------------------|--------|--------|--------|
| LME Alum (3-mth future avg) | 0.8258 | 0.8205 | 0.0053 |
| Midwest Spot Alum (Daily)   | 0.9552 | 0.9498 | 0.0054 |

| Averages:    | Month to Date | Prior Month |
|--------------|---------------|-------------|
| Nickel       | 6.3324        | 6.2598      |
| Comex CU     | 2.8312        | 2.7703      |
| Midwest Spot | 0.9534        | 0.9478      |

|                                  |            |         |
|----------------------------------|------------|---------|
| USD to CAD Conversion Effective: | 01/17/2020 | 1.30352 |
| CAD to USD Conversion Effective: | 01/17/2020 | 0.76715 |

| Weekly:                              | 01/16/20 | 01/09/20 | Change |
|--------------------------------------|----------|----------|--------|
| Ferro-chrome HC min 60-65% Cr 6-8% C | 0.89     | 0.89     | 0.00   |