

RAW MATERIAL SPECIFICATIONS - TYPE 301 STAINLESS STEEL COIL

SCOPE: This raw material specification is to apply to Type 301 stainless steel coil orders.

- 1) Test reports testing to compliance with this specification must accompany material. Material must conform to the following Federal Specifications:
 - Type 301 Annealed - AMS 5901
 - Type 301 1/4 Hard - AMS 5517
 - Type 301 1/2 Hard - AMS 5518
 - Type 301 3/4 Hard - AMS 5902
 - Type 301 Full Hard - AMS 5519
- 2) Tolerance on slit width to be $\pm .005$ ".
- 3) Material shall be uniform in quality and condition; clean, sound, smooth, commercially flat, and free from camber, buckles, blisters, and other injurious defects within the limits consistent with the best commercial practices. Slit edge of coil shall be burr-free.
- 4) Packaging shall prevent damage during shipment and shall include the following:
 - 1/4" minimum cardboard or equivalent between skid and first coil
 - Separators between each coil
 - 1/2" minimum wafer board on top of package
 - Wrapped with waterproof and airtight protection
 - Banded with two 3/4" x .032" minimum metal or equivalent bands
- 5) Quantity tolerance shall be $\pm 10\%$ unless otherwise stated on the purchase order.
- 6) Each individual coil must be identified with material source and lot number. Absence of identification on individual coils will be cause for rejection.
- 7) This material is procured for aerospace applications.
- 8) Thickness tolerances, unless otherwise specified, shall be per AMS2242, Table I.
- 9) Charles Engineering reserves the right to negotiate any changes to this purchase order due to changes in our schedule.
- 10) Physical limitations are as follows:
 - Coil inside diameter must be 16-20"
 - Coil outside diameter 48" maximum
 - Coil diameter not to exceed 50X width
 - Minimum coil weight 100# per inch of width
 - 1,000# maximum coil weight
 - 3,000# maximum skid weight
- 11) Perform necessary activities to eliminate counterfeit materials.

