

## MetalTek MTEK 20M Cast UNS J94650 Super Austenitic Stainless Steel

Category : Metal , Ferrous Metal , Austenitic , Stainless Steel , Cast Stainless Steel

**Material Notes:**

Corrosion resistance approaching nickel alloys, especially in chloride service. Applications: Process piping exposed to flue gas and solutions. Information provided by MetalTek

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_MetalTek-MTEK-20M-Cast-UNS-J94650-Super-Austenitic-Stainless-Steel.php](http://www.lookpolymers.com/polymer_MetalTek-MTEK-20M-Cast-UNS-J94650-Super-Austenitic-Stainless-Steel.php)

| Mechanical Properties      | Metric     | English      | Comments |
|----------------------------|------------|--------------|----------|
| Hardness, Brinell          | 156        | 156          |          |
| Tensile Strength, Ultimate | >= 485 MPa | >= 70300 psi |          |
| Tensile Strength, Yield    | >= 205 MPa | >= 29700 psi |          |
| Elongation at Break        | >= 35 %    | >= 35 %      |          |

| Component Elements Properties | Metric         | English        | Comments   |
|-------------------------------|----------------|----------------|------------|
| Carbon, C                     | <= 0.070 %     | <= 0.070 %     |            |
| Chromium, Cr                  | 18 - 20 %      | 18 - 20 %      |            |
| Copper, Cu                    | 1.5 - 2.0 %    | 1.5 - 2.0 %    |            |
| Iron, Fe                      | 45.43 - 53.5 % | 45.43 - 53.5 % | As Balance |
| Manganese, Mn                 | <= 1.0 %       | <= 1.0 %       |            |
| Molybdenum, Mo                | 2.5 - 3.0 %    | 2.5 - 3.0 %    |            |
| Nickel, Ni                    | 22 - 25 %      | 22 - 25 %      |            |
| Silicon, Si                   | 2.5 - 3.5 %    | 2.5 - 3.5 %    |            |

| Descriptive Properties | Value       | Comments |
|------------------------|-------------|----------|
| Heat Treatment         | Sol. Anneal |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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