

## MetalTek MTEK M-152 Martensitic Stainless Steel

Category : Metal , Ferrous Metal , Martensitic , Stainless Steel , Cast Stainless Steel , T 400 Series Stainless Steel

**Material Notes:**

"400" series, General corrosion resistant alloy, high strength. Applications: Chemical and food process equipment, jet engine compressor cases and rocket engine parts. Information provided by MetalTek

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_MetalTek-MTEK-M-152-Martensitic-Stainless-Steel.php](http://www.lookpolymers.com/polymer_MetalTek-MTEK-M-152-Martensitic-Stainless-Steel.php)

| Mechanical Properties      | Metric      | English       | Comments |
|----------------------------|-------------|---------------|----------|
| Hardness, Brinell          | 330         | 330           |          |
| Tensile Strength, Ultimate | >= 1035 MPa | >= 150100 psi |          |
| Tensile Strength, Yield    | >= 830 MPa  | >= 120000 psi |          |
| Elongation at Break        | >= 13 %     | >= 13 %       |          |

| Component Elements Properties | Metric          | English         | Comments   |
|-------------------------------|-----------------|-----------------|------------|
| Carbon, C                     | 0.10 - 0.17 %   | 0.10 - 0.17 %   |            |
| Chromium, Cr                  | 11.5 - 12.75 %  | 11.5 - 12.75 %  |            |
| Iron, Fe                      | 80.48 - 84.65 % | 80.48 - 84.65 % | As Balance |
| Manganese, Mn                 | 0.50 - 0.90 %   | 0.50 - 0.90 %   |            |
| Molybdenum, Mo                | 1.5 - 2.0 %     | 1.5 - 2.0 %     |            |
| Nickel, Ni                    | 2.0 - 3.0 %     | 2.0 - 3.0 %     |            |
| Silicon, Si                   | <= 0.30 %       | <= 0.30 %       |            |
| Vanadium, V                   | 0.25 - 0.40 %   | 0.25 - 0.40 %   |            |

| Descriptive Properties | Value           | Comments |
|------------------------|-----------------|----------|
| Heat Treatment         | Harden & Temper |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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