

This page is mainly introduced the 1340 chemical information, mechanical properties, physical properties, mechanical properties, heat treatment, and Micro structure, etc. It also contains the use of 1340, such as it is commonly used in bars, sheet, plates, steel coils, steel pipes, forged and other materials application.

## Data Table for Grades Special Alloy 1340

| 1340 Standard Number: |                 |              |
|-----------------------|-----------------|--------------|
| ITEM                  | Standard Number | Descriptions |

| 1340 Chemical composition (mass fraction) (wt.%) |         |         |
|--|---------|---------|
| Chemical   | Min.(%) | Max.(%) |

| 1340 Physical Properties |         |                          |
|--------------------------|---------|--------------------------|
| Tensile strength         | 115-234 | $\sigma_b$ /MPa          |
| Yield Strength           | 23      | $\sigma_{0.2} \geq$ /MPa |
| Elongation               | 65      | $\delta 5 \geq$ (%)      |
| $\psi$                   | -       | $\psi \geq$ (%)          |
| Akv                      | -       | Akv $\geq$ /J            |
| HBS                      | 123-321 | -                        |
| HRC                      | 30      | -                        |

| 1340 Mechanical Properties |         |                          |
|----------------------------|---------|--------------------------|
| Tensile strength           | 231-231 | $\sigma_b$ /MPa          |
| Yield Strength             | 154     | $\sigma_{0.2} \geq$ /MPa |
| Elongation                 | 56      | $\delta 5 \geq$ (%)      |
| $\psi$                     | -       | $\psi \geq$ (%)          |
| Akv                        | -       | Akv $\geq$ /J            |
| HBS                        | 235-268 | -                        |
| HRC                        | 30      | -                        |

| 1340 Heat Treatment Regime |           |           |             |       |
|----------------------------|-----------|-----------|-------------|-------|
| Annealing                  | Quenching | Tempering | Normalizing | Q & T |
| √                          | √         | √         | √           | √     |

## 1340 Range of products

| Product type    | Products                                 | Dimension                  | Processes                                   | Deliver Status  |
|-----------------|--|----------------------------|---|---|
| Plates / Sheets | Plates / Sheets                          | 0.08-200mm(T)*W*L          | Forging, hot rolling and cold rolling       | Annealed, Solution and Aging, Q+T, ACID-WASHED, Shot Blasting |
| Steel Bar       | Round Bar, Flat Bar, Square Bar          | Φ8-1200mm*L                | Forging, hot rolling and cold rolling, Cast | Black, Rough Turning, Shot Blasting,                          |
| Coil / Strip    | Steel Coil /Steel Strip                  | 0.03-16.0x1200mm           | Cold-Rolled & Hot-Rolled                    | Annealed, Solution and Aging, Q+T, ACID-WASHED, Shot Blasting |
| Pipes / Tubes   | Seamless Pipes/Tubes, Welded Pipes/Tubes | OD:6-219mm x WT:0.5-20.0mm | Hot extrusion, Cold Drawn, Welded           | Annealed, Solution and Aging, Q+T, ACID-WASHED                |

**We can produce Special Alloy the specifications follows:**