



Material - DIN 2.1546

Standard Specification for Copper and Copper Alloy Rod for Free Machining Purpose

Group - Non Ferrous Copper Alloys

Sub Group - DIN 2.1546 Copper and Copper Alloy Rod for Free Machining Purpose

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Rod

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|---------------|---------------------------------|-----------|
| Phosphorus | P % | 0.003 - 0.012 | As Raw or Solution Heat Treated | |
| Tellurium | Te % | 0.400 - 0.700 | | |
| Other | Ot % | 0.100 max. | | |
| Copper | Cu % | Balance | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| | | | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 220 - 260 |
| - | - | - | Yield Strength in Mpa | 50 min. |
| - | - | - | Elongation in % | 7 min. |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in BHN | 85 min. |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| EN 12164 CuTeP | DIN | Germany | Rod |
| SF-CuTe | DIN | Germany | Rod |
| CuTe(P) | ISO | International | Rod |
| C 1100 W | JIS | Japan | Rod |
| C 109 | BS | British | Rod |
| CuTeP | EN | European Union | Rod |
| CW118C | EN | European Union | Rod |

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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