



TassoBar EN-GJL-150C

(According to EN 16482:2014, subsequently EN 1561:2012)

Characteristics

This grade offers exceptional machinability and excellent surface finishes, but limited strength and wear resistance. Noise and vibration damping are excellent in this grade.

| Profile and size range | |
|------------------------|--|
| Round | Diameter 40 – 440 mm |
| Square | 40 x 40 mm – 300 x 300 mm |
| Rectangle | Upon request |
| Non-standard | Other sizes/profiles are available or can be produced according to agreement |

Identification

TassoBar EN-GJL-150C-A is marked with a black dot on the terminal surface.



Chemistry (main elements)

The chemical composition is subordinate to the mechanical properties and may vary depending on bar size and production flow parameters.

| Elements |
|-----------------|
| Iron |
| Carbon |
| Silicon |
| Manganese |
| Phosphorous |
| Sulphur |
| Others/Alloying |

Mechanical Properties: (As taken from mid-radius of cast bar, not separately cast test bar).

| Material Specification | Material Section | Tensile Strength N/mm ² min. |
|-----------------------------|------------------|--|
| TassoBar EN-GJL-150C | 20 mm - 50 mm | 110 |
| | >50 mm - 100 mm | 100 |
| | >100 mm - 200 mm | 90 |
| | >200 mm - 400 mm | 80 |

Reference: EN 16482:2014, Table 1

Brinell Hardness Range (Informative): 110-180 HB measured as an average of the center and the rim area of the bar (10 mm diameter ball).

Microstructure (Informative): A, D & E graphite flakes. The matrix is approx. 20% or less pearlitic. The rim is predominantly ferritic and may contain minor quantities of free carbides.

Heat Treat Response: TassoBar EN-GJL-150C is annealed and therefore not suitable for hardening.

Density: 7.25 g/cc + 3% for oversize and gross length of bar.