

GARBAFLEX 85

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Flat wire

This propriety steel grade has high carbon content. It is especially intended for applications where high tensile strength is demanded.

CHEMICAL COMPOSITION

C (%)	Si (%)	Mn (%)	P max. (%)	S max. (%)
0.80 - 0.95	0.10 - 0.30	0.30 - 0.60	0.025	0.020

MECHANICAL PROPERTIES

FOR FLAT ROLLED WIRE

Width (mm)	Tolerance (mm)
- 4.00	±0.040
4.01 - 6.00	±0.070

Thickness (mm)	Tolerance (mm)	Tensile Strength (N/mm ²)
1.00 -	±0.020	1965 -
1.01 - 1.50	±0.030	1900 -

YIELD POINT

Yield strength: 80-90% of the tensile strength.

ELONGATION

Min%: 4

CAMBER

Max. 4 mm measured on 1 m length.

SURFACE CONDITIONS

SURFACE

Bright or oxide.
Surface defects max 1% of thickness.

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PHYSICAL PROPERTIES

Density: 7.95 kg/dm³.

E AND G MODULUS OF ELASTICITY

206 kN/mm²

E AND G MODULUS OF SHEAR

79.5 kN/mm²

STANDARDS

NEAREST EQUIVALENT STEEL GRADES

JIS 1.1269

NEAREST EQUIVALENT STANDARDS

EN 10270-1, AMS SA 905

ADDITIONAL

ADDITIONAL INFORMATION

Edges

Natural edges (edge treatment on request).

Decarburization

No total decarburisation. Partial decarburisation (no continuous zones)
max 1.2% of a corresponding round wire dimension.

Diagram.: Thickness vs. Width