



MATERIAL SPECIFICATION SHEET

GRADE: C70



Material nº:

No: -

Equivalencia norma - Standard Reference:

EN 10084 / EN 10277.

Other references:

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Tipo de acero - Steel type:

Tyre reinforcement

Aplicación - Application:

Wire rod used for tyre reinforcement.

The designation includes 5,5mm diameter, high carbon wire rod for manufacturing metal reinforcements for tyres and similar products (bead wire and steel cord). This material is manufactured with the highest quality level in chemical composition, cleanliness, low segregation levels, fine and uniform microstructure, surface quality and good aptitude for mechanical descaling

Composición química (%) - Chemical composition (%):

Element	Min	Max
%C	0,65	0,75
%Mn	0,45	1,55
%Si	0,15	0,30
%P		0,020
%S		0,020
%Cr		0,05
%Ni		0,05

%Cu		0,05
%N2	0	0,0080

Característica mecánicas bruto - Mechanical characteristics (As rolled)

Resistencia - Tensile strength (Mpa) 1.110 max

Estricción - Reduction of area (%) 38 min

Tolerancias dimensionales - Dimensional tolerances

According to **EN 10108 Class B**

Calidad superficial - Surface quality

According to **ISO 9443:2018 class B**

Material verified by **Eddy Current Control**

Dimensiones y peso del rollo – Coil dimensions and coil weight



3100 kg or 2600 kg aprox. and half coils packed together of 1650 kg or 1300 kg aprox.
Each coil tied minimum with four strips

Stelmor line (rod sizes from 5.5 up to 24.0 mm)

Coil weight (kg) aprox.	Coil length (mm) aprox.	Inner diameter (mm) aprox.	Outer diameter (mm) aprox.
2600	1800	800	1250
3100	2000	800	1250

Note: when cutting the coil ties, the length can be increased significantly.

Stelmor line: Half coils

Coil weight (kg) aprox.	Coil length (mm) aprox.	Inner diameter (mm) aprox.	Outer diameter (mm) aprox.
1300	900	800	1250
1550	1000	800	1250

Note: half coils are delivered in bundles of two coils packed together.

Hot coiling line (rod sizes from 25.0 up to 52.0 mm)

Coil weight (kg) aprox.	Coil length (mm) aprox.	Inner diameter (mm) aprox.	Outer diameter (mm) aprox.
2600	1700	880	1300
3100	1800	880	1300

Note: when cutting the coil ties, the length should not have a significant increase.
Other coil weights could be made, if c