

NOVOFIL'S SPECIFICATIONS OF RAW MATERIAL:

Material : Prime, newly produced, hot rolled steel wire rods

Grade : SG2

CHEMICAL ANALYSIS

C	0.060 – 0.08 % (Aiming value 0.07 %)
Si	0.8 – 0.9 % (Aiming value 0,85 %)
Mn	1.40 – 1.55 % Aiming value 1.45 (Better if 1.42-1.46)
P	0.020 % max
S	0.020 % max
Ni	0.10 % max
Cr	0.10 % max
Mo	0.10 % max
Cu	0,10 % max
V	0.015 % max
N	0.008 % max
Ti	0.050 % max
Al	0.015 % max
Sn	0.015 % max
Pb	0,01 % max
Zr+Ti	0,10 % max
B	0.0010 max
N	80 ppm max
O	0.01 max
Ca	10 ppm max Aiming zero

MECHANICAL CHARACTERISTICS

Rm 550 Mpa max (Aiming 530 Mpa max)
Elongation : 40 % min for Lo:5d mm
Ra 78% min (Aiming 81% min)
Yield to be declared N/mm2

DIMENSIONAL CHARACTERISTICS

Diameter: 5.5mm (+/- 0.25mm)
Ovality Tolerance : 0,30 mm max
Surface Defects Depts Any : 0,10 mm Max
On to the Same Cross Section Cumulative : 0,25 mm Max

Oxide Scale :

Min 0,40 %
Max 0,70 %
Suitable for Mechanical Descaling

Coil mass : 2 mt (or other) about securely strapped for export

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