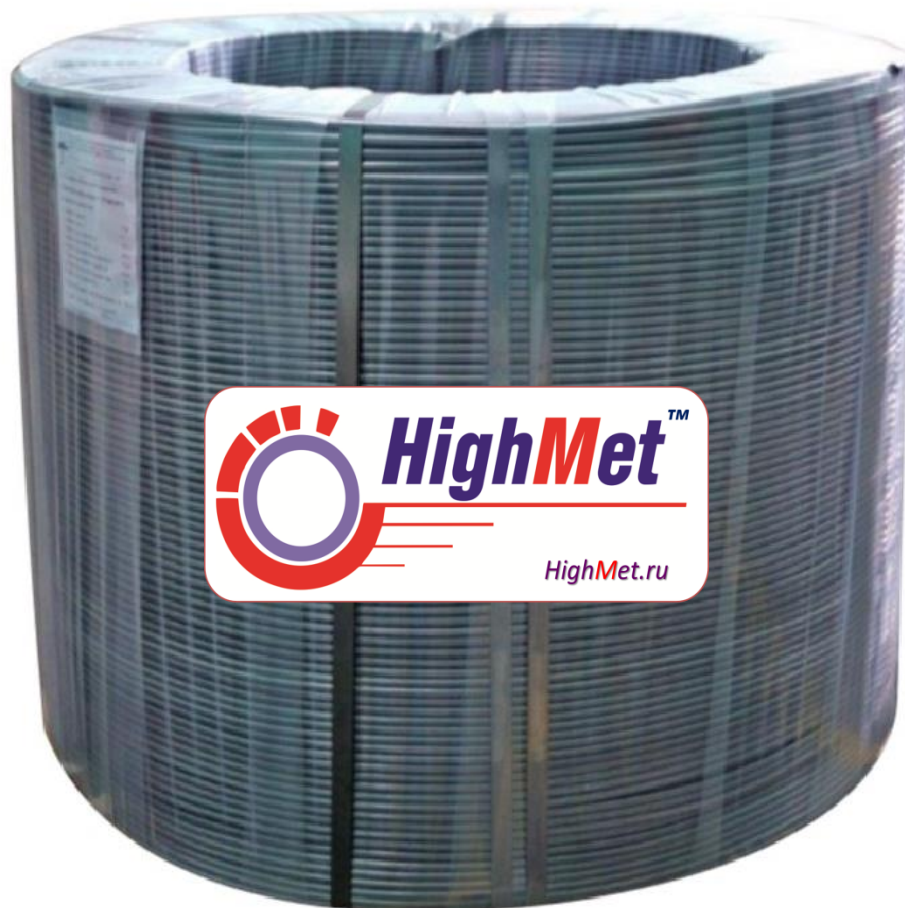


# HighMet™

## SOLID CALCIUM CORED WIRE



Steel shell coated solid pure electrolytic calcium cored wire  
High quality of products at reasonable price  
The full production cycle from raw materials to final products

100 Best Goods of Russia

ISO 9001

ISO 14000

OHSAS 18001



SC "Chepetsky Mechanical Plant"

Belova st. 7, Glazov, Udmurt Republic, Russia, 427622  
tel: +7 (34141) 3-60-70 fax: +7 (34141) 3-45-07  
www.chmz.net www.HighMet.ru E-mail: chmz@rosatom.ru

**Chepetsky Mechanical Plant (SC CMP, located 1000 km to the east from Moscow)** is one of the world's largest manufacturers of calcium and the single manufacturer of electrolytic calcium in Russia and Europe. The tradition of calcium production has stood the test of time for nearly 60 years. The company is certified for compliance to ISO 9001, ISO 14001, BS OHSAS 18001, ISO 50001.

We would like to offer cooperation in area of high quality calcium solid wire supply for molten ferrous steel refining.

**The main differences of our product from typical calcium powder or granule cored wire as below:**



- high calcium absorption rate;
- stable specific weight of metal calcium per length unit of cored wire (tolerance is not more than 2%);
- optimal calcium consumption per 1 ton of ferrous steel (3-5 times less than application of powder cored wires);
- zero gas pick-up during wire injection into molten steel;
- steel purity increase from non-metallic inclusions;
- no splashing by steel treatment;
- increased ladle capacity and production;
- save cost, time and temperature.



We are sure that this information will bear an interest to your company. Please take into your attention that our company is ready to supply trial lot of calcium solid wire for testing at your steel production.

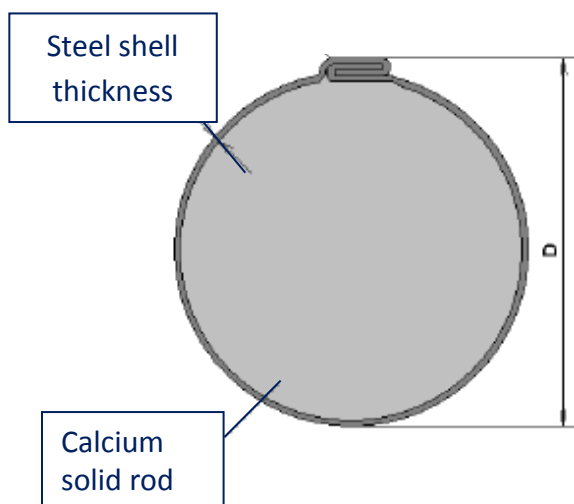
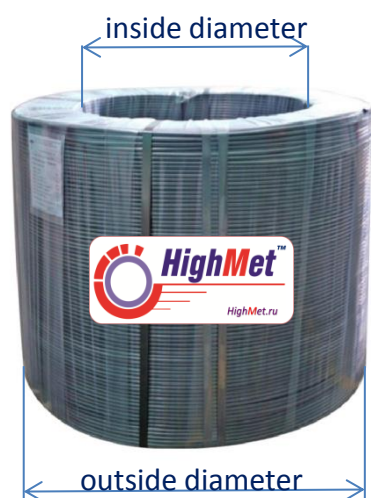
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Filler chemical composition mass concentration, %

Ca	Fe	Cu	Si	Mg	K + Na
99,0	0,01	0,01	0,01	0,03	0,07

Calcium Solid Wire technical specifications



Calcium solid wire			
Wire filler	Solid Calcium rod		
Coil outside diameter	1100 mm		
Coil inside diameter	540 / 700 mm		
Coil width	700 mm		
Wire diameter (D)	9 mm	11,5 mm	11,5 mm
Steel shell thickness	0,6 mm	0,8 mm	1,1 mm
Coil weight	1200 kg	1080 kg	1350 kg
Wire long	5200 m	3200 m	3400 m
Weight per one meter wire	233 g	340 g	400 g
Calcium weight per one meter wire	74 g	92 g	74 g
Filling factor	32 %	26,5 %	18,5 %

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