



CALCIUM AND CALCIUM INJECTION WIRE

Metallic calcium

Chemical composition of calcium metal, %

Ca	Mg	Al	Si	K+Na
99,0 min	0,03 max	0,003 max	0,01 max	0,07 max

Product	Parameters	Packaging
Pieces of calcium	weight ≤ 15 kg	barrel 115 kg barrel 154 kg barrel 190 kg medium - argon
Shaving of calcium	thickness ≤ 15 kg	
Groats of calcium	diameter 0-10 mm	
Granules of calcium	diameter 0-3 mm	
Alloys in granules (Ca-Al, Ca-Mg, Ca-Ni)	diameter 0-3 mm	

Calcium injection wire

Chemical composition of pure calcium

Ca	Mg	Al	Si	K+Na
99,0 min	0,03 max	0,003 max	0,01 max	0,07 max

Calcium injection wire design	CIW 11,5x1,0	CIW 11x0,8	CIW 10,5x1,0	CIW 9x0,6	CIW 10x1,0
Diameter of the injection wire, mm	11,5	11	10,5	9	10
Thickness of the lock steel shell, mm	1,0	0,8	1,0	0,6	1,0
Injection wire weight, g/m	360	350	330	240	320
Weight of a bar of pure calcium, g/m	100	95	85	75	65
Average length of the injection wire, mm	3550	3600	3800	5200	3900
Average weight of the injection wire, kg	1250	1250	1250	1250	1250
Average weight of calcium in a wire bunt, kg	360	331	300	375	250
Calcium filling coefficient	27,6	26	24	30	20

Powder wire with ferrotitane

Chemical composition of ferrotitane powder, %

Ti	Fe	Al	Si	C	O	N	S	P	Zr	V	Mo	Sn	Cu
70 min	20 max	2,0 max	0,3 max	0,2 max	1,2 max	0,4 max	0,05 max	0,05 max	0,5 max	0,5 max	0,5 max	0,1 max	0,1 max
Diameter of the powder wire, mm					14	Filling coefficient, not less than, %							70
Thickness of the steel shell, mm					0,4	Moisture content of ferrotitane powder, not more than, %							0,3
Average weight of the powder wire, kg					1250	Particle size of ferrotitane powder, not more than, mm							3,0