

Elemento	Proc.	Quant. (kg)	Comp. (kg)	Total (kg)	Ca ²⁺ (kg)	Ca ²⁺ (kg)
P2	1	102,42	102,42	102,42	102,42	102,42
	2	105,25	105,25	105,25	105,25	105,25
	3	106,25	106,25	106,25	106,25	106,25
P4+P23	1	1312,3	1312,3	1312,3	1312,3	1312,3
	2	1329,10	1329,10	1329,10	1329,10	1329,10
	3	1336,25	1336,25	1336,25	1336,25	1336,25
		Total + 100%	14,7			
P24	1	1312,3	1312,3	1312,3	1312,3	1312,3
	2	1329,10	1329,10	1329,10	1329,10	1329,10
	3	1336,25	1336,25	1336,25	1336,25	1336,25
		Total + 100%	14,7			
P16	1	1331,2	1331,2	1331,2	1331,2	1331,2
	2	1350,15	1350,15	1350,15	1350,15	1350,15
	3	1358,25	1358,25	1358,25	1358,25	1358,25
		Total + 100%	15,8			
P9	1	1032,5	1032,5	1032,5	1032,5	1032,5
	2	1052,5	1052,5	1052,5	1052,5	1052,5
	3	1062,5	1062,5	1062,5	1062,5	1062,5
		Total + 100%	16,3			
P10	1	1312,3	1312,3	1312,3	1312,3	1312,3
	2	1329,10	1329,10	1329,10	1329,10	1329,10
	3	1336,25	1336,25	1336,25	1336,25	1336,25
		Total + 100%	16,3			
P17	1	1063,1	1063,1	1063,1	1063,1	1063,1
	2	1081,15	1081,15	1081,15	1081,15	1081,15
	3	1089,25	1089,25	1089,25	1089,25	1089,25
		Total + 100%	17,3			
P18	1	1032,5	1032,5	1032,5	1032,5	1032,5
	2	1052,5	1052,5	1052,5	1052,5	1052,5
	3	1062,5	1062,5	1062,5	1062,5	1062,5
		Total + 100%	17,3			
P23	1	1331,2	1331,2	1331,2	1331,2	1331,2
	2	1350,15	1350,15	1350,15	1350,15	1350,15
	3	1358,25	1358,25	1358,25	1358,25	1358,25
		Total + 100%	17,7			
		Total + 100%	22,7			
		Total + 100%	25,7			
		Total + 100%	27,7			
		Total + 100%	30,0			
		Total + 100%	32,7			
		Total + 100%	35,0			
		Total + 100%	37,7			
		Total + 100%	40,0			
		Total + 100%	42,7			
		Total + 100%	45,0			
		Total + 100%	47,7			
		Total + 100%	50,0			
		Total + 100%	52,7			
		Total + 100%	55,0			
		Total + 100%	57,7			
		Total + 100%	60,0			

Resumo Aço Pilares	Comp. total (m)	Peso+10% (kg)	Total
CA-50 Ø6.3	104.0	28	
Ø12.5	86.6	92	120

Planta: Platabanda/verga eclusa
Concreto: C30, usinado
Aço das barras: CA-50 e CA-60
Aço dos estribos: CA-50 e CA-60

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DETALHAMENTO DE PILARES - PLATIBANDA / VERGA ECLUSA
ESCALA: 1 / 50

Resumo Apo. Planes	Comp. (m)	Total (m)	Peso+10% (kg)	Total
CA-50	Ø63,3	47,9	13	
	Ø12,5	3,9	4	17

Planta COR ECLUSA
 Apo das barras: CA-50 e CA60
 Apo das estacas: CA50 e CA-60

Elemento	Pos.	Diam.	Q.	Comp.	Total CA-50/CA-60
P2	1	Ø63,3	10	280	0,6
	2	Ø63,3	10	280	0,6
P1+P2	1	Ø63,3	10	280	1,2
	2	Ø63,3	10	280	1,2
Total P1+P2					2,4
P4	1	Ø63,3	10	1025	4,2
	2	Ø63,3	10	1025	4,2
P12	1	Ø63,3	10	280	0,6
	2	Ø63,3	10	280	0,6
P12	1	Ø12,5	4	87	3,2
	2	Ø12,5	4	87	3,2
Total P12					6,4
Total					15,6

Ø63,3	12,8	0,9
Ø12,5	1,5	0,1
Total	14,3	1,0

220

Cad. 100

DETALHAMENTO DE PILARES - COB. ECLUSA
ESCALA: 1 / 50

ITEM	QUANTIDADE	UNIDADE	VALOR UNITÁRIO	VALOR TOTAL
1	1	m	10.00	10.00
2	1	m	10.00	10.00
3	1	m	10.00	10.00
4	1	m	10.00	10.00
5	1	m	10.00	10.00
6	1	m	10.00	10.00
7	1	m	10.00	10.00
8	1	m	10.00	10.00
9	1	m	10.00	10.00
10	1	m	10.00	10.00
11	1	m	10.00	10.00
12	1	m	10.00	10.00
13	1	m	10.00	10.00
14	1	m	10.00	10.00
15	1	m	10.00	10.00
16	1	m	10.00	10.00
17	1	m	10.00	10.00
18	1	m	10.00	10.00
19	1	m	10.00	10.00
20	1	m	10.00	10.00
21	1	m	10.00	10.00
22	1	m	10.00	10.00
23	1	m	10.00	10.00
24	1	m	10.00	10.00
25	1	m	10.00	10.00
26	1	m	10.00	10.00
27	1	m	10.00	10.00
28	1	m	10.00	10.00
29	1	m	10.00	10.00
30	1	m	10.00	10.00
31	1	m	10.00	10.00
32	1	m	10.00	10.00
33	1	m	10.00	10.00
34	1	m	10.00	10.00
35	1	m	10.00	10.00
36	1	m	10.00	10.00
37	1	m	10.00	10.00
38	1	m	10.00	10.00
39	1	m	10.00	10.00
40	1	m	10.00	10.00
41	1	m	10.00	10.00
42	1	m	10.00	10.00
43	1	m	10.00	10.00
44	1	m	10.00	10.00
45	1	m	10.00	10.00
46	1	m	10.00	10.00
47	1	m	10.00	10.00
48	1	m	10.00	10.00
49	1	m	10.00	10.00
50	1	m	10.00	10.00
51	1	m	10.00	10.00
52	1	m	10.00	10.00
53	1	m	10.00	10.00
54	1	m	10.00	10.00
55	1	m	10.00	10.00
56	1	m	10.00	10.00
57	1	m	10.00	10.00
58	1	m	10.00	10.00
59	1	m	10.00	10.00
60	1	m	10.00	10.00
61	1	m	10.00	10.00
62	1	m	10.00	10.00
63	1	m	10.00	10.00
64	1	m	10.00	10.00
65	1	m	10.00	10.00
66	1	m	10.00	10.00
67	1	m	10.00	10.00
68	1	m	10.00	10.00
69	1	m	10.00	10.00
70	1	m	10.00	10.00
71	1	m	10.00	10.00
72	1	m	10.00	10.00
73	1	m	10.00	10.00
74	1	m	10.00	10.00
75	1	m	10.00	10.00
76	1	m	10.00	10.00
77	1	m	10.00	10.00
78	1	m	10.00	

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Figure 1 is a schematic diagram of the experimental setup for the study of the effect of the concentration of the polymer solution on the morphology of the polymer film. The diagram shows a cross-section of a polymer film on a substrate, with a table of parameters and a list of materials.

Table 1: Parameters of the experimental setup

Parameter	Value
Substrate	Si
Thickness	100 nm
Concentration	0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 2.0, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 3.0, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 4.0, 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 5.0, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.8, 5.9, 6.0, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.7, 8.8, 8.9, 9.0, 9.1, 9.2, 9.3, 9.4, 9.5, 9.6, 9.7, 9.8, 9.9, 10.0, 10.1, 10.2, 10.3, 10.4, 10.5, 10.6, 10.7, 10.8, 10.9, 11.0, 11.1, 11.2, 11.3, 11.4, 11.5, 11.6, 11.7, 11.8, 11.9, 12.0, 12.1, 12.2, 12.3, 12.4, 12.5, 12.6, 12.7, 12.8, 12.9, 13.0, 13.1, 13.2, 13.3, 13.4, 13.5, 13.6, 13.7, 13.8, 13.9, 14.0, 14.1, 14.2, 14.3, 14.4, 14.5, 14.6, 14.7, 14.8, 14.9, 15.0, 15.1, 15.2, 15.3, 15.4, 15.5, 15.6, 15.7, 15.8, 15.9, 16.0, 16.1, 16.2, 16.3, 16.4, 16.5, 16.6, 16.7, 16.8, 16.9, 17.0, 17.1, 17.2, 17.3, 17.4, 17.5, 17.6, 17.7, 17.8, 17.9, 18.0, 18.1, 18.2, 18.3, 18.4, 18.5, 18.6, 18.7, 18.8, 18.9, 19.0, 19.1, 19.2, 19.3, 19.4, 19.5, 19.6, 19.7, 19.8, 19.9, 20.0, 20.1, 20.2, 20.3, 20.4, 20.5, 20.6, 20.7, 20.8, 20.9, 21.0, 21.1, 21.2, 21.3, 21.4, 21.5, 21.6, 21.7, 21.8, 21.9, 22.0, 22.1, 22.2, 22.3, 22.4, 22.5, 22.6, 22.7, 22.8, 22.9, 23.0, 23.1, 23.2, 23.3, 23.4, 23.5, 23.6, 23.7, 23.8, 23.9, 24.0, 24.1, 24.2, 24.3, 24.4, 24.5, 24.6, 24.7, 24.8, 24.9, 25.0, 25.1, 25.2, 25.3, 25.4, 25.5, 25.6, 25.7, 25.8, 25.9, 26.0, 26.1, 26.2, 26.3, 26.4, 26.5, 26.6, 26.7, 26.8, 26.9, 27.0, 27.1, 27.2, 27.3, 27.4, 27.5, 27.6, 27.7, 27.8, 27.9, 28.0, 28.1, 28.2, 28.3, 28.4, 28.5, 28.6, 28.7, 28.8, 28.9, 29.0, 29.1, 29.2, 29.3, 29.4, 29.5, 29.6, 29.7, 29.8, 29.9, 30.0, 30.1, 30.2, 30.3, 30.4, 30.5, 30.6, 30.7, 30.8, 30.9, 31.0, 31.1, 31.2, 31.3, 31.4, 31.5, 31.6, 31.7, 31.8, 31.9, 32.0, 32.1, 32.2, 32.3, 32.4, 32.5, 32.6, 32.7, 32.8, 32.9, 33.0, 33.1, 33.2, 33.3, 33.4, 33.5, 33.6, 33.7, 33.8, 33.9, 34.0, 34.1, 34.2, 34.3, 34.4, 34.5, 34.6, 34.7, 34.8, 34.9, 35.0, 35.1, 35.2, 35.3, 35.4, 35.5, 35.6, 35.7, 35.8, 35.9, 36.0, 36.1, 36.2, 36.3, 36.4, 36.5, 36.6, 36.7, 36.8, 36.9, 37.0, 37.1, 37.2, 37.3, 37.4, 37.5, 37.6, 37.7, 37.8, 37.9, 38.0, 38.1, 38.2, 38.3, 38.4, 38.5, 38.6, 38.7, 38.8, 38.9, 39.0, 39.1, 39.2, 39.3, 39.4, 39.5, 39.6, 39.7, 39.8, 39.9, 40.0, 40.1, 40.2, 40.3, 40.4, 40.5, 40.6, 40.7, 40.8, 40.9, 41.0, 41.1, 41.2, 41.3, 41.4, 41.5, 41.6, 41.7, 41.8, 41.9, 42.0, 42.1, 42.2, 42.3, 42.4, 42.5, 42.6, 42.7, 42.8, 42.9, 43.0, 43.1, 43.2, 43.3, 43.4, 43.5, 43.6, 43.7, 43.8, 43.9, 44.0, 44.1, 44.2, 44.3, 44.4, 44.5, 44.6, 44.7, 44.8, 44.9, 45.0, 45.1, 45.2, 45.3, 45.4, 45.5, 45.6, 45.7, 45.8, 45.9, 46.0, 46.1, 46.2, 46.3, 46.4, 46.5, 46.6, 46.7, 46.8, 46.9, 47.0, 47.1, 47.2, 47.3, 47.4, 47.5, 47.6, 47.7, 47.8, 47.9, 48.0, 48.1, 48.2, 48.3, 48.4, 48.5, 48.6, 48.7, 48.8, 48.9, 49.0, 49.1, 49.2, 49.3, 49.4, 49.5, 49.6, 49.7, 49.8, 49.9, 50.0, 50.1, 50.2, 50.3, 50.4, 50.5, 50.6, 50.7, 50.8, 50.9, 51.0, 51.1, 51.2, 51.3, 51.4, 51.5, 51.6, 51.7, 51.8, 51.9, 52.0, 52.1, 52.2, 52.3, 52.4, 52.5, 52.6, 52.7, 52.8, 52.9, 53.0, 53.1, 53.2, 53.3, 53.4, 53.5, 53.6, 53.7, 53.8, 53.9, 54.0, 54.1, 54.2, 54.3, 54.4, 54.5, 54.6, 54.7, 54.8, 54.9, 55.0, 55.1, 55.2, 55.3, 55.4, 55.5, 55.6, 55.7, 55.8, 55.9, 56.0, 56.1, 56.2, 56.3, 56.4, 56.5, 56.6, 56.7, 56.8, 56.9, 57.0, 57.1, 57.2, 57.3, 57.4, 57.5, 57.6, 57.7, 57.8, 57.9, 58.0, 58.1, 58.2, 58.3, 58.4, 58.5, 58.6, 58.7, 58.8, 58.9, 59.0, 59.1, 59.2, 59.3, 59.4, 59.5, 59.6, 59.7, 59.8, 59.9, 60.0, 60.1, 60.2, 60.3, 60.4, 60.5, 60.6, 60.7, 60.8, 60.9, 61.0, 61.1, 61.2, 61.3, 61.4, 61.5, 61.6, 61.7, 61.8, 61.9, 62.0, 62.1, 62.2, 62.3, 62.4, 62.5, 62.6, 62.7, 62.8, 62.9, 63.0, 63.1, 63.2, 63.3, 63.4, 63.5, 63.6, 63.7, 63.8, 63.9, 64.0, 64.1, 64.2, 64.3, 64.4, 64.5, 64.6, 64.7, 64.8, 64.9, 65.0, 65.1, 65.2, 65.3, 65.4, 65.5, 65.6, 65.7, 65.8, 65.9, 66

[illegible]

Technical drawing of a 10A 125V 1P+N 2-wire cable. The drawing shows a cross-section of the cable with dimensions: 10A, 125V, 1P+N, 2-wire. The cable is shown in a cross-section view with dimensions 10A, 125V, 1P+N, 2-wire. The drawing also includes a table with the following data:

Pos.	Pos.	Pos.	Pos.	Pos.
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5

Technical drawing of a 10A 125V 1P+N 2-wire cable. The drawing shows a cross-section of the cable with dimensions: 10A, 125V, 1P+N, 2-wire. The cable is shown in a cross-section view with dimensions 10A, 125V, 1P+N, 2-wire. The drawing also includes a table with the following data:

Pos.	Pos.	Pos.	Pos.	Pos.
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5

Pin	Label	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
1	12A	1	2	3	4	5	6	7	8	9	10	11	12
2	12A	13	14	15	16	17	18	19	20	21	22	23	24
3	12A	25	26	27	28	29	30	31	32	33	34	35	36
4	12A	37	38	39	40	41	42	43	44	45	46	47	48
5	12A	49	50	51	52	53	54	55	56	57	58	59	60
6	12A	61	62	63	64	65	66	67	68	69	70	71	72
7	12A	73	74	75	76	77	78	79	80	81	82	83	84
8	12A	85	86	87	88	89	90	91	92	93	94	95	96
9	12A	97	98	99	100	101	102	103	104	105	106	107	108
10	12A	109	110	111	112	113	114	115	116	117	118	119	120
11	12A	121	122	123	124	125	126	127	128	129	130	131	132
12	12A	133	134	135	136	137	138	139	140	141	142	143	144

Note: The connector is not to be used with a 12A connector.

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