

Таблица степени черноты, Росселандова и Планковского среднего
 Таблица из книги Авиловой И.В., Бибермана Л.М. и др. "Оптические свойства горячего воздуха"
 М.: Из-во Наука. 1970, стр. 320

T=11000 K

P=0,001 атм

	1	2	3	4	5	6	7
1	47-08	36-07	79-07	20-07	19-08	14-08	25-05
3	14-07	11-06	24-06	59-07	57-08	42-08	60-05
5	24-07	18-06	40-06	98-07	94-08	70-08	85-05
10	47-07	36-06	79-06	20-06	19-07	14-07	13-04
20	95-07	72-06	16-05	39-08	38-07	28-07	18-04
30	14-06	11-05	24-05	59-06	57-97	42-07	21-04
100	47-06	36-05	72-05	20-05	19-06	14-06	30-04
300	14-05	11-04	21-04	59-05	57-06	42-06	36-04
A	92 02	31 06	88 06	21 08	45 08	17 09	40 08
B	24-08	18-07	40-07	98-08	94-09	70-09	15-05
1	24-08	18-07	40-07	98-08	94-09	70-09	14-05
3	71-08	54-07	12-06	29-07	28-08	21-08	38-05
5	12-07	89-07	20-06	49-07	47-08	35-08	57-05
10	24-07	18-06	40-06	98-07	94-08	70-08	94-05
20	47-07	38-06	79-06	20-06	19-07	14-07	14-04
30	71-07	54-06	12-05	29-06	28-07	21-07	17-04
100	24-06	18-05	40-05	98-06	94-07	70-07	27-04
300	71-06	54-05	11-04	29-05	28-06	21-06	34-04

P=0,01 атм

	1	2	3	4	5	6	7
1	24-06	18-05	39-05	10-05	11-06	96-07	25-04
3	71-06	54-05	12-04	30-05	32-06	29-06	33-04
5	12-05	90-05	19-04	50-05	54-06	48-06	36-04
10	24-05	18-04	33-04	10-04	11-05	96-06	42-04
20	46-05	36-04	57-04	20-04	22-05	19-05	49-04
30	69-05	54-04	79-04	50-04	32-05	29-05	55-04
100	21-04	18-03	21-03	90-04	11-04	96-05	77-04
300	57-04	53-03	51-03	26-03	32-04	29-04	12-03
A	18 01	60 04	17 05	38 06	77 06	25 07	41 06
B	12-06	90-06	19-05	50-06	54-07	48-07	78-04
1	12-06	90-06	19-05	50-06	54-07	48-07	22-04
3	36-06	27-05	58-05	15-05	16-06	14-06	31-04
5	60-06	45-05	97-05	25-05	27-06	24-06	35-04
10	12-05	90-05	19-04	50-05	54-06	48-06	41-04
20	24-05	18-04	36-04	10-04	11-05	96-06	48-04
30	35-05	27-04	52-04	15-04	16-05	14-05	54-04
100	11-04	90-04	14-03	49-04	54-05	48-05	73-04
300	32-04	27-03	32-03	14-03	16-04	14-04	10-03

P=0,03 атм

	1	2	3	4	5	6	7
1	11-05	84-05	18-04	48-05	58-06	58-06	39-04
3	33-05	25-04	46-04	14-04	17-05	17-05	52-04
5	54-05	42-04	72-04	24-04	29-05	29-05	60-04
10	10-04	84-04	12-03	48-04	58-05	56-05	75-04
20	20-04	17-03	20-03	90-04	12-04	12-04	98-04
30	29-04	25-03	28-03	13-03	17-04	17-04	12-03

100	82-04	82-03	76-03	40-03	58-04	58-04	20-03
300	19-03	33-02	19-02	12-02	17-03	17-03	36-03
A	39 00	13 04	34 04	76 05	14 06	41 06	60 05
B	56-06	42-05	89-05	24-05	29-06	29-06	37-03
1	56-06	42-05	89-05	24-05	29-06	29-06	38-04
3	17-05	12-04	26-04	72-05	87-06	87-06	51-04
5	28-05	21-04	42-04	12-04	14-05	14-05	59-04
10	55-05	42-04	78-04	24-04	29-05	29-05	71-04
20	11-04	84-04	14-03	48-04	58-05	58-05	83-04
30	16-04	12-03	18-03	70-04	87-05	87-05	99-04
100	48-04	42-03	46-03	22-03	29-04	29-04	16-03
300	12-03	12-02	11-02	61-03	87-04	87-04	26-03

P=0,1 атм

	1	2	3	4	5	6	7
1	49-05	38-04	68-04	23-04	36-05	40-05	72-04
3	14-04	11-03	17-03	68-04	11-04	12-04	11-03
5	22-04	19-03	23-03	11-03	18-04	20-04	14-03
10	42-04	37-03	42-03	20-03	36-04	40-04	20-03
20	75-04	74-03	74-03	39-03	72-04	80-04	28-03
30	10-03	11-02	10-02	58-03	11-03	12-03	35-03
100	25-03	34-02	28-02	18-02	36-03	40-03	66-03
300	46-03	88-02	68-02	53-02	11-02	12-02	13-02
A	87-01	28 03	71 03	14 05	32 05	59 05	73 04
B	25-05	19-04	40-04	11-04	19-05	20-05	16-02
1	25-05	19-04	39-04	11-04	19-05	20-05	67-04
3	74-05	56-04	10-03	34-04	58-05	60-05	96-04
5	12-04	94-04	16-03	57-04	96-05	10-04	12-03
10	23-04	19-03	27-03	11-03	19-04	20-04	16-03
20	44-04	37-03	46-03	21-03	38-04	40-04	21-03
30	63-04	56-03	63-03	31-03	58-04	60-04	26-03
100	17-03	18-02	17-02	97-03	19-03	20-03	48-03
300	36-03	52-02	42-02	28-02	58-03	60-03	10-02

P=0,3 атм

	1	2	3	4	5	6	7
1	16-04	13-03	21-03	86-04	17-04	21-04	16-03
3	44-04	39-03	48-03	24-03	52-04	62-04	28-03
5	68-04	64-03	72-03	39-03	87-04	10-03	36-03
10	12-03	13-02	13-02	75-03	17-03	21-03	52-03
20	20-03	24-02	22-02	15-02	35-03	42-03	76-03
30	26-03	35-02	31-02	22-02	52-03	62-03	11-02
100	49-03	99-02	79-02	69-02	17-02	21-02	17-02
300	66-03	22-01	16-01	19-01	51-02	61-02	34-02
A	25-01	76 02	18 03	34 04	44 04	11 05	14 04
B	89-05	66-04	14-03	43-04	94-05	10-04	58-02
1	86-05	66-04	12-03	43-04	94-05	10-04	13-03
3	24-04	20-03	30-03	13-03	28-04	32-04	21-03
5	39-04	33-03	44-03	21-03	47-04	53-04	27-03
10	72-04	65-03	78-03	40-03	94-04	10-03	38-03
20	13-03	13-02	13-02	77-03	19-03	21-03	55-03
30	18-03	19-02	18-02	11-02	28-03	32-03	90-03
100	40-03	60-02	50-02	36-02	94-03	10-02	13-02
300	61-03	16-01	12-01	10-01	28-02	31-02	26-02

P=1 атм

	1	2	3	4	5	6	7
1	54-04	49-03	64-03	37-03	99-04	12-03	44-03
3	13-03	14-02	16-02	10-02	30-03	37-03	88-03
5	19-03	23-02	24-02	16-02	50-03	32-03	11-02
10	30-03	44-02	41-02	32-02	99-03	12-02	15-02
20	44-03	79-02	70-02	63-02	20-02	24-02	22-02
30	52-03	11-01	94-02	92-02	29-02	37-02	29-02
100	68-03	25-01	20-01	28-01	95-02	12-01	52-02
300	69-03	43-01	35-01	70-01	26-01	33-01	10-01
A	64-02	19 02	41 02	87 03	75 03	19 04	19 03
B	34-04	25-03	51-03	19-03	55-04	63-04	21-01
1	31-04	25-03	38-03	19-03	55-04	63-04	33-03
3	82-04	74-03	93-03	53-03	16-03	19-03	59-03
5	12-03	12-02	14-02	87-03	27-03	32-03	94-03
10	21-03	24-02	25-02	17-02	55-03	63-03	12-02
20	34-03	46-02	43-02	33-02	11-02	13-02	16-02
30	43-03	67-02	60-02	49-02	16-02	19-02	24-01
100	64-03	18-01	14-01	19-01	54-02	62-02	38-02
300	69-03	35-01	27-01	43-01	16-01	18-01	72-02

P=3 атм

	1	2	3	4	5	6	7
1	14-03	15-02	19-02	14-02	50-03	61-03	12-02
3	30-03	42-02	44-02	40-02	15-02	18-02	21-02
5	40-03	66-02	87-02	85-02	25-02	30-02	28-02
10	64-02	12-01	11-01	13-01	49-02	80-02	38-02
20	64-03	19-01	17-01	23-01	97-02	12-01	55-02
30	68-03	25-01	22-01	33-01	14-01	17-01	70-02
100	69-03	45-01	39-01	89-01	42-01	51-01	14-01
300	69-03	60-01	53-01	18 00	95-01	12 00	25-01
A	19-02	55 01	10 02	15 03	14 03	30 03	34 02
B	11-03	80-03	16-02	73-03	29-03	32-03	67-01
1	89-04	79-03	11-02	71-03	29-03	32-03	99-03
3	21-03	23-02	27-02	20-02	86-03	97-03	15-02
5	30-03	38-02	41-02	34-02	14-02	16-02	24-02
10	45-03	72-02	70-02	66-02	20-02	32-02	30-02
20	58-03	13-01	12-01	13-01	58-02	64-02	41-02
30	64-03	18-01	16-01	19-01	84-02	95-02	52-02
100	69-03	37-01	30-01	57-01	27-01	30-01	11-01
300	89-03	55-01	45-01	14 00	70-01	82-01	21-01

P=10 атм

	1	2	3	4	5	6	7
1	34-03	50-02	59-02	82-02	30-02	37-02	33-02
3	56-03	12-01	13-01	18-01	88-02	11-01	57-02
5	64-03	18-01	20-01	28-01	14-01	10-01	78-02
10	68-03	28-01	28-01	51-01	27-01	33-01	12-01
20	69-03	40-01	38-01	89-01	48-01	61-01	18-01
30	69-03	47-01	44-01	12 00	66-01	84-01	22-01
100	69-03	63-01	57-01	24 00	14 00	10 00	34-01
300	69-03	65-01	58-01	32 00	20 00	20 00	39-01
A	52-03	14 01	21 01	28 02	28 02	60 02	46 01
B	42-03	29-02	57-02	34-02	17-02	20-02	23 00
1	25-03	28-02	36-02	33-02	17-02	20-02	26-02
3	47-03	77-02	86-02	96-02	52-02	81-02	44-02

5	57-03	12-01	12-01	18-01	88-02	10-01	58-02
10	66-03	20-01	20-01	30-01	17-01	20-01	90-02
20	68-03	32-01	29-01	56-01	32-01	38-01	14-01
30	69-03	39-01	35-01	80-01	46-01	55-01	18-01
100	69-03	58-01	52-01	19 00	12 00	14 00	32-01
300	69-03	65-01	57-01	30 00	18 00	25 00	38-01

P=30 атм

	1	2	3	4	5	6	7
1	59-03	14-01	17-01	25-01	14-01	17-01	93-02
3	68-03	29-01	31-01	83-01	37-01	46-01	18-01
5	69-03	38-01	39-01	94-01	56-01	70-01	23-01
10	69-03	50-01	50-01	15 00	93-01	12 00	31-01
20	69-03	60-01	56-01	22 00	14 00	18 00	35-01
30	69-03	63-01	58-01	26 00	16 00	22 00	37-01
100	69-03	65-01	58-01	32 00	20 00	29 00	39-01
300	69-03	65-01	58-01	32 00	20 00	29 00	39-01
A	15-03	37 00	48 00	62 01	47 01	12 02	74 00
B	15-02	94-02	18-01	14-01	86-02	10-01	67 00
1	50-03	84-02	11-01	13-01	84-02	98-02	67-02
3	66-03	20-01	22-01	38-01	24-01	28-01	13-01
5	68-03	29-01	30-01	60-01	38-01	46-01	18-01
10	69-03	42-01	41-01	11 00	69-01	84-01	26-01
20	69-03	54-01	50-01	18 00	11 00	14 00	34-01
30	69-03	60-01	54-01	22 00	14 00	18 00	37-01
100	69-03	65-01	58-01	32 00	20 00	28 00	39-01
300	69-03	65-01	58-01	32 00	20 00	29 00	39-01

P=100 атм

	1	2	3	4	5	6	7
1	69-03	34-01	39-01	10 00	71-01	10 00	30-01
3	69-03	54-01	54-01	21 00	14 00	20 00	36-01
5	69-03	61-01	57-01	26 00	17 00	24 00	38-01
10	69-03	65-01	58-01	31 00	20 00	28 00	39-01
20	69-03	65-01	58-01	32 00	20 00	29 00	39-01
30	69-03	65-01	58-01	32 00	20 00	29 00	39-01
100	69-03	65-01	58-01	32 00	20 00	29 00	39-01
300	69-03	65-01	58-01	32 00	20 00	29 00	39-01
A	35-04	80-01	85-01	10 01	69 00	14 01	79-01
B	63-02	36-01	62-01	77-01	58-01	87-01	21 01
1	68-03	25-01	29-01	68-01	50-01	74-01	25-01
3	69-03	47-01	47-01	16 00	12 00	17 00	36-01
5	69-03	56-01	52-01	22 00	15 00	22 00	38-01
10	69-03	63-01	57-01	29 00	19 00	27 00	39-01
20	69-03	65-01	58-01	32 00	20 00	29 00	39-01
30	69-03	65-01	58-01	32 00	20 00	29 00	39-01
100	69-03	65-01	58-01	32 00	20 00	29 00	39-01
300	69-03	65-01	58-01	32 00	20 00	29 00	39-01

8	9	10	Сумма
47-05	38-05	13-05	12-04
85-05	58-05	26-05	23-04
11-04	69-05	37-06	31-04
16-04	85-05	60-05	44-04
21-04	11-04	10-04	68-04
25-04	13-04	14-04	77-04
40-04	24-04	34-04	14-03
58-04	42-04	83-04	26-03
13 08	55 03	37 02	29 09
49-05	80-05	23-05	17-04
33-05	31-05	90-06	87-05
63-05	49-05	17-05	17-04
83-05	59-05	24-05	23-04
12-04	73-05	39-05	33-04
17-04	92-05	63-05	48-04
20-04	10-04	64-05	58-04
34-04	18-04	20-04	11-03
50-04	32-04	49-04	19-03

8	9	10	Сумма
31-04	17-04	20-04	10-03
50-04	33-04	51-04	19-03
59-04	49-04	77-04	26-03
80-04	86-04	14-03	41-03
11-03	15-03	22-03	66-03
14-03	19-03	29-03	85-03
27-03	47-03	56-03	19-02
54-03	88-03	79-03	37-02
88 05	98 01	69 00	42 07
25-03	10-03	32-04	47-03
26-04	12-04	12-04	77-04
42-04	23-04	30-04	14-03
52-04	31-04	45-04	18-03
68-04	50-04	81-04	28-03
91-04	84-04	14-03	43-03
11-03	11-03	19-03	57-03
19-03	29-03	43-03	13-02
36-03	64-03	70-03	26-02

8	9	10	Сумма
64-04	46-04	71-04	25-03
10-03	11-03	17-03	52-03
14-03	16-03	24-03	75-03
20-03	28-03	37-03	12-02
31-03	42-03	52-03	19-02
41-03	55-03	62-03	24-02

79-03	11-02	86-03	51-02
13-02	16-02	91-03	10-01
11 05	23 01	16 00	70 06
12-02	33-03	11-03	20-02
56-04	30-04	42-04	18-03
88-04	64-04	10-03	36-03
11-03	94-04	15-03	50-03
15-03	16-03	26-03	80-03
22-03	27-03	40-03	13-02
28-03	37-03	50-03	16-32
54-03	81-03	78-03	35-02
10-02	14-02	90-03	68-02

8	9	10	Сумма
18-03	16-03	23-03	77-03
31-03	35-03	45-03	16-02
43-03	49-03	56-03	22-02
63-03	75-03	72-03	34-02
91-03	11-02	85-03	52-02
11-02	13-02	89-03	66-02
19-02	19-02	91-03	14-01
28-02	22-02	91-03	31-01
12 04	47 00	34-01	12 06
54-02	14-02	42-03	89-02
12-03	94-04	15-03	51-03
22-03	22-03	33-03	11-02
29-03	32-03	44-03	15-02
42-03	53-03	61-03	23-02
65-03	82-03	77-03	36-02
79-03	10-02	84-03	46-02
14-02	17-02	91-03	95-02
23-02	21-02	91-03	20-01

8	9	10	Сумма
40-03	41-03	49-03	20-02
78-03	81-03	74-03	39-02
10-02	10-02	83-03	52-02
14-02	14-02	90-03	80-02
20-02	18-02	91-03	12-01
23-02	19-02	91-03	16-01
34-02	22-02	91-03	37-01
47-02	22-02	91-03	81-01
22 03	13 00	94-02	21 05
18-01	44-02	14-02	30-01
29-03	26-03	37-03	13-02
55-03	59-03	63-03	27-02
70-03	80-03	75-03	36-02
10-02	12-02	86-03	55-02
15-02	15-02	90-03	84-02
18-02	17-02	91-03	11-01
29-02	21-02	91-03	24-01
41-02	22-02	91-03	54-01

8	9	10	Сумма
11-02	98-03	78-03	50-02
19-02	15-02	91-03	10-01
24-02	18-02	91-03	14-01
31-02	20-02	91-03	22-01
39-02	22-02	91-03	35-31
43-02	22-02	91-03	47-01
61-02	22-02	91-03	11 00
86-02	22-02	91-03	23 00
29 02	31-01	24-02	36 04
69-01	16-01	48-02	11 00
75-03	74-03	70-03	35-02
14-02	13-02	87-03	68-02
19-02	16-02	90-03	95-02
25-02	13-02	91-03	14-01
32-02	21-02	91-03	23-01
37-02	22-02	91-03	31-01
52-02	22-02	91-03	72-01
74-02	22-02	91-03	15 00

8	9	10	Сумма
24-02	18-02	91-03	12-01
38-02	20-02	91-03	25-01
43-02	22-02	91-03	36-01
52-02	22-02	91-03	58-01
64-02	22-02	91-03	97-01
73-02	22-02	91-03	13 00
10-01	22-02	91-03	29 00
13-01	22-02	91-03	55 00
50 01	88-02	72-03	73 03
22 00	48-01	15-01	35 00
18-02	14-02	88-03	84-02
30-02	19-02	91-03	18-01
38-02	21-02	91-03	24-01
45-02	22-02	91-03	38-01
55-02	22-02	91-03	63-01
84-02	22-02	91-03	85-01
92-02	22-02	91-03	20 00
12-01	22-02	91-03	43 00

8	9	10	Сумма
48-02	21-02	91-03	35-01
66-02	22-02	91-03	80-01
70-02	22-02	91-03	12 00
96-02	22-02	91-03	19 00
11-01	22-02	91-03	31 00
12-01	22-02	91-03	40 00
14-01	22-02	91-03	74 00
14-01	22-02	91-03	97 00
63 00	22-02	19-03	12 03
74 00	16 00	51-01	12 01
41-02	20-02	91-03	23-01
58-02	22-02	91-03	51-01

19-02	22-02	91-03	75-01
86-02	22-02	91-03	13 00
10-01	22-02	91-03	22 00
12-01	22-02	91-03	26 00
14-01	22-02	91-03	81 00
14-01	22-02	91-03	92 00

8	9	10	Сумма
87-02	22-02	91-03	11 00
12-01	22-02	91-03	24 00
13-01	22-02	91-03	34 00
14-01	22-02	91-03	51 00
14-01	22-02	91-03	71 00
14-01	22-02	91-03	82 00
14-01	22-02	91-03	10 01
14-01	22-02	91-03	10 01
94-01	54-03	52-04	25 02
22 01	47 00	15 00	36 01
76-02	22-02	91-03	68-01
10-01	22-02	91-03	16 00
12-01	22-02	91-03	24 00
14-01	22-02	91-03	39 00
14-01	22-02	91-03	59 00
14-01	22-02	91-03	72 00
14-01	22-02	91-03	97 00
14-01	22-02	91-03	10 01

8	9	10	Сумма
14-01	22-02	91-03	40 00
14-01	22-02	91-03	71 00
14-01	22-02	91-03	85 00
14-01	22-02	91-03	99 00
14-01	22-02	91-03	10 01
14-01	22-02	91-03	10 01
14-01	22-02	91-03	10 01
14-01	22-02	91-03	10 01
11-01	11-03	11-04	34 01
71 01	15 01	56 00	12 02
13-01	22-02	91-03	29 00
14-01	22-02	91-03	59 00
14.01	22-02	91-03	76 00
14-01	22-02	91-03	93 00
14-01	22-02	91-03	99 00
14-01	22-02	91-03	10 01
14-01	22-02	91-03	10 01
14-01	22-02	91-03	10 01

