

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=13000 K

P=0,001 атм

	1	2	3	4	5	6	7
1	17-08	10-07	18-07	63-08	65-09	67-09	50-06
3	51-08	32-07	54-07	19-07	25-08	20-08	14-05
5	65-08	53-07	89-07	32-07	43-08	34-08	23-05
10	17-07	10-06	18-06	63-07	85-08	67-08	43-05
20	34-07	21-06	36-06	13-06	17-07	13-07	77-05
30	51-07	32-06	54-06	19-06	25-07	20-07	10-04
100	17-06	10-05	18-05	63-06	65-07	67-07	24-04
300	51-06	32-05	54-05	19-05	25-06	20-06	39-04
A	98 02	37 06	11 07	33 08	89 08	40 09	17 09
B	85-09	53-08	89-08	32-08	42-09	34-09	25-06
1	85-09	53-08	89-08	32-08	42-09	34-09	25-06
3	28-08	16-07	27-07	94-08	13-08	10-08	74-06
5	42-08	26-07	44-07	10-07	21-08	17-08	12-05
10	85-08	53-07	89-07	32-07	42-08	34-08	24-05
20	17-07	10-06	18-06	63-07	85-08	67-08	46-05
30	26-07	16-06	27-06	94-07	13-07	10-07	85-05
100	85-07	53-06	89-06	32-06	42-07	34-07	17-04
300	25-06	16-05	27-05	94-06	13-06	10-06	32-04

P=0,01 атм

	1	2	3	4	5	6	7
1	15-06	96-06	16-05	53-06	66-07	60-07	21-04
3	46-06	29-05	40-05	16-05	20-06	18-06	30-04
5	76-06	40-05	80-05	20-05	33-06	30-06	45-04
10	15-05	96-05	16-04	53-05	66-06	60-06	55-04
20	30-05	19-04	28-04	10-04	13-05	12-05	64-04
30	44-05	29-04	40-04	10-04	20-05	10-05	69-04
100	14-04	96-04	11-03	53-04	66-05	60-05	91-04
300	36-04	28-03	26-03	15-03	20-04	18-04	12-03
A	11 01	40 04	12 05	36 06	98 06	52 07	16 07
B	77-07	48-06	75-06	26-06	33-07	30-07	23-04
1	77-07	48-06	80-06	26-06	33-07	30-07	16-04
3	23-06	14-05	24-05	79-06	99-07	91-07	31-04
5	38-06	24-05	40-05	13-05	16-06	15-06	39-04
10	77-06	48-05	80-05	26-05	33-06	30-06	50-04
20	15-05	96-05	16-04	53-05	66-06	60-06	61-04
30	23-05	14-04	23-04	79-05	99-06	91-06	67-04
100	74-05	48-04	68-04	26-04	33-05	30-05	89-04
300	21-04	14-03	16-03	78-04	99-05	91-05	12-03

P=0,03 атм

	1	2	3	4	5	6	7
1	12-05	73-05	72-04	40-05	49-06	48-06	52-04
3	34-05	22-04	36-04	12-04	15-05	14-05	73-04
5	55-05	36-04	52-04	20-04	20-05	24-05	84-04
10	11-04	73-04	94-04	40-04	49-05	48-05	10-03
20	20-04	14-03	16-03	80-04	99-05	97-05	13-03
30	28-04	22-03	22-03	12-03	15-04	14-04	15-03

100	76-04	71-03	60-03	36-03	49-04	48-04	25-03
300	16-03	20-02	15-02	10-02	15-03	14-03	43-03
A	14 00	52 03	15 04	47 05	13 06	64 06	16 06
B	59-06	36-05	61-05	20-05	25-06	24-06	18-03
1	58-06	36-05	60-05	20-05	25-06	24-06	50-04
3	17-05	11-04	18-04	60-05	74-06	72-06	72-04
5	29-05	18-04	30-04	10-04	12-05	12-05	83-04
10	57-05	36-04	56-04	20-04	25-05	24-05	10-03
20	11-04	73-04	10-03	40-04	49-05	48-05	12-03
30	16-04	11-03	14-03	60-04	74-05	72-05	14-03
100	47-04	36-03	36-03	19-03	25-04	24-04	21-03
300	11-03	11-02	91-03	54-03	74-04	72-04	33-03

P=0,1 атм

	1	2	3	4	5	6	7
1	82-05	55-04	79-04	30-04	37-05	40-05	12-03
3	22-04	16-03	20-03	60-04	11-04	12-04	20-03
5	35-04	27-03	30-03	15-03	19-04	20-04	25-03
10	61-04	54-03	52-03	28-03	37-04	40-04	35-03
20	10-03	10-02	93-03	54-03	74-04	80-04	49-03
30	14-03	15-02	13-02	80-03	11-03	12-03	60-03
100	27-03	45-02	35-02	26-02	37-03	40-03	11-02
300	39-03	11-01	79-02	73-02	11-02	12-02	22-02
A	19-01	88 02	19 03	61 04	17 05	77 05	15 05
B	44-05	28-04	45-04	15-04	19-05	20-05	14-02
1	43-05	28-04	44-04	15-04	19-05	20-05	12-03
3	12-04	83-04	12-03	45-04	58-05	60-05	17-03
5	20-04	14-03	18-03	75-04	93-05	99-05	20-03
10	37-04	27-03	32-03	15-03	19-04	20-04	27-03
20	66-04	54-03	55-03	29-03	37-04	40-04	37-03
30	92-04	81-03	71-03	42-03	56-04	60-04	45-03
100	21-03	26-02	21-02	13-02	19-03	20-03	83-03
300	35-03	70-02	52-02	38-02	56-03	60-03	18-02

P=0,3 атм

	1	2	3	4	5	6	7
1	35-04	28-03	40-03	18-03	28-04	34-04	37-03
3	84-04	80-03	92-03	47-03	77-04	10-03	64-03
5	12-03	13-02	14-02	80-03	13-03	17-03	84-03
10	19-03	25-02	22-02	15-02	26-03	34-03	12-02
20	24-03	46-02	38-02	28-02	51-03	67-03	20-02
30	32-03	84-02	52-02	41-02	77-03	10-02	23-02
100	42-03	15-01	12-01	13-01	25-02	34-02	41-02
300	42-03	57-01	21-01	53-01	74-02	98-02	70-02
A	37-02	13 02	35 02	10 04	24 04	90 04	16 04
B	22-04	14-03	22-03	80-04	13-04	17-04	70-02
1	20-04	14-03	19-03	80-04	13-04	17-04	28-03
3	53-04	41-03	47-03	23-03	38-04	51-04	48-03
5	80-04	68-03	71-03	38-03	84-04	84-04	82-03
10	14-03	14-02	13-02	74-03	13-03	17-03	89-03
20	21-03	26-02	23-02	14-02	68-03	34-03	17-02
30	27-03	38-02	32-02	21-02	38-03	51-03	19-02
100	40-03	11-01	81-02	66-02	13-02	17-02	28-02
300	42-03	22-01	16-01	19-01	38-02	50-02	53-02

P=1 атм

	1	2	3	4	5	6	7
1	12-03	21-02	17-02	79-03	16-03	24-03	12-02
3	23-03	34-02	35-02	24-02	49-03	71-03	63-02
5	30-03	55-02	48-02	38-02	82-03	12-02	27-02
10	37-03	92-02	79-02	71-02	18-02	24-02	40-02
20	42-03	15-01	12-01	13-01	32-02	47-02	55-02
30	42-03	19-01	15-01	19-01	48-02	70-02	86-02
100	42-03	33-01	27-01	52-01	15-01	22-01	13-01
300	42-03	41-01	37-01	11 00	39-01	60-01	84-01
A	78-03	26-01	65 01	18 03	37 03	13 04	81 03
B	11-03	88-03	10-02	40-03	83-04	12-03	33-01
1	78-04	85-03	77-03	40-03	83-04	12-03	91-03
3	17-03	19-02	19-02	11-02	25-03	31-03	19-02
5	24-03	31-02	29-02	18-02	42-03	59-03	22-02
10	33-03	88-02	50-02	38-02	83-03	12-02	28-02
20	39-03	10-01	84-02	71-02	17-02	24-02	44-02
30	41-03	14-01	11-01	10-01	25-02	58-02	50-02
100	42-03	27-01	22-01	32-01	88-02	12-01	90-02
300	42-03	39-01	32-01	78-01	23-01	34-01	17-01

P=3 атм

	1	2	3	4	5	6	7
1	28-03	41-02	49-03	32-02	63-03	13-02	34-02
3	38-03	10-01	64-02	81-02	23-02	40-02	54-02
5	41-03	14-01	13-01	14-01	41-02	66-02	68-02
10	42-03	21-01	19-01	26-01	80-02	13-01	98-02
20	42-03	30-01	26-01	45-01	15-01	25-01	14-01
30	42-03	34-01	30-01	62-01	82-01	38-01	16-01
100	42-03	42-01	40-01	14 00	60-01	94-01	34-01
300	42-03	43-01	40-01	22 00	12 00	21 00	55-01
A	21-03	65 00	15 01	40 02	72 02	23 03	36 02
B	40-03	24-02	38-02	16-02	43-03	67-03	12 00
1	20-03	23-02	25-02	16-02	43-03	67-03	24-02
3	34-03	63-02	60-02	45-02	13-02	20-02	43-02
5	39-03	96-02	86-02	74-02	21-02	34-02	52-02
10	42-03	16-01	14-01	14-01	42-02	67-02	71-02
20	42-03	24-01	20-01	27-01	84-02	13-01	10-01
30	42-03	29-01	24-01	39-01	12-01	20-01	13-01
100	42-03	40-01	35-01	10 00	38-01	61-01	28-01
300	42-03	43-01	39-01	19 00	93-01	15 00	46-01

P=10 атм

	1	2	3	4	5	6	7
1	40-03	12-01	12-01	13-01	49-02	81-02	82-02
3	42-03	24-01	23-01	34-01	14-01	23-01	15-01
5	42-03	30-01	28-01	52-01	22-01	37-01	20-01
10	42-03	37-01	35-01	88-01	41-01	68-01	28-01
20	42-03	42-01	39-01	14 00	69-01	12 00	40-01
30	42-03	43-01	39-01	17 00	91-01	15 00	47-01
100	42-03	43-01	40-01	24 00	16 00	29 00	66-01
300	42-03	43-01	40-01	25 00	19 00	36 00	70-01
A	53-04	15 00	31 00	76 01	12 02	37 02	56 01
B	16-02	94-02	14-01	73-02	26-02	42-02	48 00
1	37-03	79-02	80-02	69-02	26-02	42-02	61-01
3	42-03	18-01	16-01	20-01	78-02	12-01	11-01

5	42-03	24-01	21-01	31-01	13-01	20-01	14-01
10	42-03	32-01	28-01	57-01	25-01	40-01	21-01
20	42-03	39-01	35-01	99-01	46-01	74-01	31-01
30	42-03	41-01	36-01	13 00	65-01	10 00	39-01
100	42-03	43-01	40-01	22 00	14 00	24 00	61-01
300	42-03	43-01	40-01	25 00	18 00	34 00	70-01

P=30 атм

	1	2	3	4	5	6	7
1	42-03	26-01	26-01	47-01	23-01	40-01	21-01
3	42-03	38-01	37-01	10 00	58-01	10 00	37-01
5	42-03	41-01	37-01	14 00	83-01	14 00	46-01
10	42-03	43-01	40-01	20 00	12 00	22 00	59-01
20	42-03	43-01	40-01	24 00	17 00	30 00	67-01
30	42-03	43-01	40-01	25 00	18 00	34 00	70-01
100	42-03	43-01	40-01	25 00	19 00	35 00	70-01
300	42-03	43-01	40-01	25 00	19 00	35 00	70-01
A	16-04	40-01	71-01	16 01	22 01	68 01	94 00
B	54-02	32-01	47-01	30-01	14-01	23-01	15 01
1	42-03	20-01	19-01	27-01	13-01	22-01	15-01
3	42-03	33-01	32-01	71-01	38-01	63-01	29-01
5	42-03	38-01	34-01	10 00	58-01	98-01	38-01
10	42-03	42-01	38-01	11 00	98-01	17 00	52-01
20	42-03	43-01	40-01	22 00	14 00	26 00	63-01
30	42-03	43-01	40-01	24 00	17 00	30 00	67-01
100	42-03	43-01	40-01	25 00	19 00	35 00	70-01
300	42-03	43-01	40-01	25 00	19 00	35 00	70-01

P=100 атм

	1	2	3	4	5	6	7
1	42-03	40-01	37-01	14 00	96-01	17 00	52-01
3	42-03	43-01	40-01	23 00	16 00	30 00	67-01
5	42-03	43-01	40-01	25 00	18 00	34 00	70-01
10	42-03	43-01	40-01	25 00	19 00	35 00	70-01
20	42-03	43-01	40-01	25 00	19 00	35 00	70-01
30	42-03	43-01	40-01	25 00	19 00	35 00	70-01
100	42-03	43-01	40-01	25 00	19 00	35 00	70-01
300	42-03	43-01	40-01	25 00	19 00	35 00	70-01
A	39-05	95-02	13-01	30 00	35 00	11 01	14 00
B	21-01	11 00	17 00	15 00	87-01	14 00	51 01
1	42-03	36-01	33-01	11 00	70-01	12 00	44-01
3	42-03	43-01	40-01	20 00	14 00	25 00	63-01
5	42-03	43-01	40-01	24 00	17 00	31 00	88-01
10	42-03	43-01	40-01	25 00	19 00	35 00	70-01
20	42-03	43-01	40-01	25 00	19 00	35 00	70-01
30	42-03	43-01	40-01	25 00	19 00	35 00	70-01
100	42-03	43-01	40-01	25 00	19 00	35 00	70-01
300	42-03	43-01	40-01	25 00	19 00	35 00	70-01

8	9	10	Сумма
15-05	86-05	34-05	14-04
40-05	12-04	47-05	22-04
60-05	13-04	56-05	27-04
10-04	16-04	73-05	39-04
16-04	19-04	99-05	54-04
20-04	21-04	12-04	66-04
38-04	30-04	26-04	12-03
66-04	46-04	57-04	22-03
92 08	15 05	16 04	88 09
83-06	20-04	84-05	30-04
83-06	73-05	28-05	11-04
23-05	10-04	41-05	18-04
34-05	12-04	48-05	22-04
65-05	14-04	59-05	29-04
11-04	17-04	75-05	40-04
14-04	19-04	90-05	49-04
29-04	26-04	17-04	91-04
51-04	37-04	36-04	16-03

8	9	10	Сумма
36-04	27-04	23-04	11-03
59-04	42-04	52-04	20-03
76-04	52-04	78-04	27-03
10-03	78-04	14-03	41-03
14-03	12-03	24-03	64-03
18-03	16-03	34-03	83-03
28-03	42-03	91-03	20-02
52-03	10-02	18-02	43-02
55 08	15 03	16 02	87 07
76-04	21-03	90-04	40-03
28-04	22-04	15-04	82-04
50-04	33-04	32-04	15-03
64-04	41-04	40-04	20-03
88-04	56-04	82-04	29-03
12-03	83-04	14-03	44-03
14-03	11-03	20-03	57-03
23-03	25-03	55-03	13-02
39-03	59-03	13-02	28-02

8	9	10	Сумма
98-04	65-04	11-03	35-13
17-03	14-03	27-03	72-03
21-03	20-03	40-03	10-02
30-03	34-03	71-03	17-02
43-03	60-03	12-02	28-02
55-03	63-03	15-02	36-02

12-02	18-02	20-02	79-02
22-02	35-02	39-02	15-01
42 05	21 02	23 01	10 07
58-03	68-03	30-03	17-02
86-04	49-04	64-04	26-03
14-03	91-04	15-03	50-03
18-03	13-03	23-03	69-03
24-03	21-03	42-03	11-02
34-03	35-03	74-03	13-02
41-03	49-03	10-02	24-02
80-03	12-02	22-02	55-02
15-02	26-02	35-02	11-01

8	9	10	Сумма
34-03	30-03	80-03	15-02
63-03	76-03	13-02	34-02
88-03	10-02	18-02	48-02
14-02	17-02	26-02	74-02
19-02	28-02	34-02	11-01
24-02	32-02	37-02	14-01
44-02	54-02	43-02	27-01
69-02	69-02	43-02	49-01
32 04	25 01	29 00	12 06
44-02	26-02	12-02	96-02
26-03	18-03	34-03	10-02
45-03	43-03	86-03	22-02
80-03	63-03	12-02	31-02
89-03	11-02	26-02	50-02
13-02	18-02	28-02	79-02
16-02	24-02	33-02	10-01
33-02	45-02	41-02	19-01
56-02	64-02	43-02	36-01

8	9	10	Сумма
11-02	11-02	19-02	55-02
23-02	23-02	31-02	11-01
28-02	31-02	36-02	14-01
40-02	44-02	41-02	21-01
56-02	56-02	43-02	30-01
67-02	62-02	43-02	37-01
10-01	72-02	43-02	72-01
13-01	72-02	43-02	13 00
35 03	44 00	55-01	14 05
22-01	89-02	43-02	43-01
77-03	70-03	13-02	35-02
15-02	16-02	26-02	74-02
20-02	23-02	31-02	10-01
28-02	35-02	38-02	15-01
42-02	48-02	42-02	22-01
52-02	55-02	42-02	27-01
86-02	70-02	43-02	52-01
11-01	72-02	43-02	95-01

8	9	10	Сумма
36-02	33-02	56-02	16-01
62-02	53-02	42-02	29-01
75-02	61-02	43-02	37-01
97-02	89-02	43-02	63-01
12-01	72-02	43-02	77-01
13-01	73-02	43-02	97-01
18-01	72-02	43-02	19 00
84-01	72-02	43-02	35 00
41 02	80-01	11-01	21 04
11 00	34-01	17-01	19 00
25-02	24-02	31-02	11-01
46-02	44-02	40-02	21-01
58-02	54-02	42-02	27-01
81-02	64-02	43-02	38-01
10-01	70-02	43-02	56-01
11-01	72-02	43-02	70-01
16-01	78-02	43-02	14 00
21-01	78-02	43-02	26 00

8	9	10	Сумма
81-02	58-02	43-02	38-01
12-01	70-02	43-02	64-01
13-01	72-02	43-02	84-01
16-01	72-02	43-02	12 90
19-01	72-02	43-02	19 00
21-01	72-02	43-02	24 00
28-01	72-02	43-02	45 00
33-01	72-02	43-02	73 00
69 01	19-01	28-02	38 03
39 00	11 00	56-01	69 00
62-02	50-02	41-02	26-01
99-02	66-02	43-02	46-01
11-01	70-02	43-02	60-01
14-01	72-02	43-02	88-01
16-01	72-02	43-02	13 00
18-01	72-02	43-02	17 00
25-01	72-02	43-02	34 00
32-01	72-02	43-02	61 00

8	9	10	Сумма
14-01	72-02	43-02	85-01
19-01	72-02	43-02	16 00
22-01	72-02	43-02	22 00
26-01	72-02	43-02	33 00
30-01	72-02	43-02	48 00
32-01	72-02	43-02	59 00
35-01	72-02	43-02	90 00
35-01	72-02	43-02	10 01
10 01	44-02	70-03	64 02
15 01	38 00	19 00	25 01
12-01	70-02	43-02	60-01
17-01	72-02	43-02	11 00

19-01	72-02	43-02	16 00
33-01	72-02	43-02	24 00
27-01	72-02	43-02	36 00
30-01	72-02	43-02	48 00
34-01	72-02	43-02	60 00
35-01	72-02	43-02	98 00

8	9	10	Сумма
23-01	72-02	43-02	22 00
29-01	72-02	43-02	42 00
32-01	72-02	43-02	54 00
34-01	72-02	43-02	74 00
35-01	72-02	43-02	91 00
35-01	72-02	43-02	97 00
35-01	72-02	43-02	10 01
35-01	72-02	43-02	10 01
17 00	12-02	20-03	12 02
47 01	12 01	61 00	82 01
20-01	72-02	43-02	15 00
26-01	72-02	43-02	30 00
30-01	72-02	43-02	41 00
33-01	72-02	43-02	61 00
35-01	72-02	43-02	82 00
35-01	72-02	43-02	91 00
35-01	72-02	43-02	10 01
35-01	72-02	43-02	10 01

8	9	10	Сумма
33-01	72-02	43-02	58 00
35-01	72-02	43-02	89 00
35-01	72-02	43-02	97 00
35-01	72-02	43-02	10 01
35-01	72-02	43-02	10 01
35-01	72-02	43-02	10 01
35-01	72-02	43-02	10 01
35-01	72-02	43-05	10 01
24-01	27-03	50-01	19 01
17 02	41 01	22 01	29 02
31-01	72-02	43-02	45 00
35-01	72-02	43-02	79 00
35-01	72-02	43-02	91 00
35-01	72-02	43-02	99 00
35-01	72-02	43-02	10 01
35-01	72-02	43-02	10 01
35-01	72-02	43-02	10 01
35-01	72-02	43-02	10 01

