

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=10000 K

P=0,001 атм

	1	2	3	4	5	6	7
1	60-08	51-07	13-06	28-07	24-08	16-08	39-05
3	18-07	15-06	40-06	86-07	71-08	49-08	79-05
5	30-07	26-06	66-06	14-06	12-07	82-08	99-05
10	60-07	51-06	13-05	28-06	24-07	16-07	13-04
20	12-06	10-05	26-05	57-06	47-07	33-07	17-04
30	18-06	15-05	40-05	86-06	71-07	49-07	16-04
100	60-06	51-05	12-04	20-05	24-06	16-06	23-04
300	18-05	15-04	32-04	86-05	71-06	49-06	26-04
A	13 03	39 06	11 07	21 08	38 08	12 09	19 08
B	30-08	26-07	66-07	14-07	12-08	82-09	31-05
1	30-08	26-07	66-07	14-07	12-08	82-09	25-05
3	90-08	77-07	20-06	43-07	36-08	24-08	57-05
5	15-07	13-06	33-06	71-07	59-08	41-08	77-05
10	30-07	26-06	66-06	14-06	12-07	82-08	11-04
20	60-07	51-06	13-05	28-06	24-07	16-07	15-04
30	90-07	77-06	20-05	43-06	36-07	24-07	17-04
100	30-06	26-05	65-05	14-05	16-06	82-07	22-04
300	90-06	77-05	18-04	43-05	36-06	24-06	26-04

P=0,01 атм

	1	2	3	4	5	6	7
1	15-06	13-05	33-05	75-06	77-07	67-07	18-04
3	46-06	39-05	96-05	22-05	23-06	20-06	22-04
5	76-06	65-05	16-04	38-05	39-06	34-06	24-04
10	15-05	13-04	28-04	75-05	77-06	67-06	28-04
20	30-05	26-04	48-04	15-04	15-05	13-05	32-04
30	45-05	39-04	67-04	22-04	23-05	20-05	36-04
100	14-04	13-03	17-03	66-04	77-05	67-05	50-04
300	40-04	38-03	41-03	18-03	23-04	20-04	75-04
A	50 01	15 05	40 05	73 06	11 07	28 07	32 08
B	76-07	65-06	16-05	38-06	39-07	34-07	80-04
1	76-07	65-06	16-05	38-06	39-07	34-07	16-04
3	23-06	19-05	49-05	11-05	12-06	10-06	21-04
5	36-06	32-05	82-05	19-05	19-06	17-06	24-04
10	76-06	65-05	16-04	36-05	39-06	34-06	27-04
20	15-05	13-04	31-04	75-05	77-06	67-06	32-04
30	23-05	19-04	44-04	11-04	12-05	10-05	35-04
100	75-05	65-04	12-03	37-04	39-05	34-05	47-04
300	22-04	19-03	27-03	10-03	12-04	10-04	65-04

P=0,03 атм

	1	2	3	4	5	6	7
1	56-06	48-05	12-04	29-05	40-06	35-06	24-04
3	17-05	14-04	33-04	87-05	12-05	10-05	31-04
5	28-05	24-04	50-04	14-04	20-05	18-05	38-04
10	65-05	48-04	86-04	29-04	40-05	35-05	44-04
20	11-04	95-04	14-03	54-04	81-05	70-05	56-04
30	16-04	14-03	19-03	77-04	12-04	10-04	65-04

100	48-04	47-03	50-03	24-03	40-04	35-04	11-03
300	12-03	14-02	13-02	69-03	12-03	10-03	19-03
A	13 01	40 04	10 05	17 06	20 06	53 06	53 05
B	28-06	24-05	60-05	14-05	23-06	18-06	29-03
1	20-06	24-05	60-05	14-05	23-06	18-06	23-04
3	85-06	72-05	18-04	44-05	68-06	53-06	31-04
5	14-05	12-04	29-04	73-05	11-05	89-06	35-04
10	28-05	24-04	55-04	14-04	23-05	18-05	42-04
20	56-05	48-04	97-04	29-04	46-06	35-05	51-04
30	83-05	12-04	13-03	43-04	68-05	53-05	58-04
100	26-04	24-03	32-03	13-03	23-04	18-04	89-04
300	72-04	71-03	76-03	37-03	68-04	53-04	14-03

P=0,1 атм

	1	2	3	4	5	6	7
1	22-05	18-04	45-04	42-04	23-05	21-05	39-04
3	63-05	54-04	11-03	34-04	70-05	62-05	57-04
5	10-04	91-04	15-03	51-04	12-04	10-04	70-04
10	20-04	18-03	25-03	11-03	23-04	21-04	96-04
20	38-04	36-03	43-03	21-03	46-04	42-04	14-03
30	54-04	54-03	60-03	30-03	70-04	62-04	17-03
100	15-03	17-02	16-02	96-03	23-03	21-03	31-03
300	33-03	48-02	40-02	58-02	69-03	62-03	63-03
A	35 00	10 04	24 04	35 05	36 05	88 05	71-04
B	11-05	91-05	23-04	60-05	13-05	11-06	11-02
1	11-05	91-05	22-04	60-05	13-05	11-05	37-04
3	32-05	27-04	63-04	18-04	39-05	32-05	52-04
5	54-05	45-04	98-04	30-04	85-05	53-05	61-04
10	11-04	91-04	17-03	60-04	13-04	11-04	79-04
20	21-04	18-03	28-03	12-03	26-04	21-04	11-03
30	30-04	27-03	38-03	17-03	39-04	32-04	12-03
100	90-04	90-03	96-03	51-03	13-03	11-03	23-03
300	22-03	26-02	24-02	15-02	39-03	32-03	42-03

P=0,3 атм

	1	2	3	4	5	6	7
1	69-05	59-04	12-03	43-04	12-04	98-05	76-04
3	20-04	18-03	27-03	13-03	35-04	29-04	13-03
5	32-04	29-03	40-03	20-03	59-04	49-04	17-03
10	59-04	56-03	69-03	39-03	12-03	98-04	24-03
20	11-03	11-02	12-02	74-03	24-03	20-03	35-03
30	15-03	17-02	17-02	11-02	35-03	29-03	43-03
100	35-03	52-02	45-02	35-02	12-02	98-03	87-03
300	63-03	13-01	10-01	10-01	35-02	29-02	16-02
A	10 00	30 03	65 03	83 04	73 04	18 05	12 04
B	36-05	29-04	72-04	22-04	65-05	52-05	35-02
1	36-05	29-04	69-04	22-04	65-05	52-05	64-04
3	10-04	88-04	18-03	66-04	20-04	16-04	10-03
5	17-04	15-03	26-03	11-03	32-04	26-04	13-03
10	33-04	29-03	44-03	21-03	65-04	52-04	18-03
20	62-04	58-03	74-03	40-03	13-03	10-03	26-03
30	89-04	97-03	10-02	59-03	20-03	16-03	32-03
100	24-03	28-02	27-02	18-02	65-03	52-03	69-03
300	50-03	79-02	68-02	53-02	19-02	16-02	11-02

P=1 атм

	1	2	3	4	5	6	7
1	24-04	21-03	37-03	18-03	71-04	59-04	20-03
3	65-04	62-03	83-03	51-03	21-03	18-03	36-03
5	10-03	10-02	12-02	84-03	36-03	29-03	48-03
10	17-03	20-02	22-02	16-02	71-03	59-03	76-03
20	28-03	38-02	38-02	32-02	14-02	12-02	10-02
30	37-03	55-02	52-02	47-02	21-02	18-02	13-02
100	68-03	15-01	13-01	15-01	69-02	58-02	28-02
300	89-03	32-01	26-01	40-01	19-01	16-01	54-02
A	29-01	78 02	14 03	16 04	12 04	29 04	17 03
B	13-04	10-03	25-03	95-04	40-04	33-04	12-01
1	13-04	10-03	21-03	95-04	40-04	33-04	15-03
3	36-04	32-03	50-03	27-03	12-03	98-04	27-03
5	58-04	52-03	75-03	45-03	20-03	16-03	35-03
10	11-03	10-02	13-02	88-03	40-03	33-03	82-03
20	19-03	21-02	23-02	17-02	79-03	65-03	80-03
30	26-03	30-02	32-02	25-02	12-02	98-03	96-03
100	56-03	94-02	85-02	81-02	39-02	32-02	21-02
300	83-03	23-01	19-01	23-01	12-01	96-02	39-02

P=3 атм

	1	2	3	4	5	6	7
1	71-04	68-03	98-03	74-03	38-03	35-03	62-03
3	17-03	19-02	24-02	21-02	11-02	10-02	10-02
5	25-03	31-02	36-02	34-02	18-02	18-02	14-02
10	40-03	59-02	62-02	68-02	37-02	35-02	22-02
20	57-03	11-01	10-01	13-01	72-02	68-02	34-02
30	68-03	15-01	14-01	19-01	11-01	10-01	44-02
100	89-03	34-01	30-01	55-01	32-01	31-01	94-02
300	90-03	56-01	49-01	13 00	75-01	76-01	17-01
A	86-02	22 02	35 02	35 03	22 03	60 03	25 02
B	44-04	34-03	79-03	38-03	21-03	19-03	37-01
1	40-04	34-03	58-03	38-03	21-03	19-03	40-03
3	11-03	10-02	14-02	11-02	63-03	58-03	79-03
5	16-03	16-02	22-02	18-02	10-02	96-03	10-02
10	28-03	32-02	38-02	36-02	21-02	19-02	14-02
20	45-03	62-02	66-02	70-02	42-02	38-02	24-02
30	56-03	90-02	91-02	10-01	62-02	57-02	31-02
100	84-03	24-01	21-01	32-01	20-01	18-01	67-02
300	90-03	46-01	39-01	87-01	54-01	51-01	14-01

P=10 атм

	1	2	3	4	5	6	7
1	21-03	23-02	32-02	36-02	24-02	26-02	21-02
3	43-03	64-02	77-02	10-01	70-02	77-02	42-02
5	57-03	99-02	11-01	16-01	11-01	12-01	59-02
10	75-03	17-01	18-01	31-01	22-01	24-01	89-02
20	87-03	28-01	29-01	57-01	39-01	43-01	13-01
30	90-03	36-01	36-01	80-01	54-01	60-01	16-01
100	90-03	62-01	57-01	19 00	12 00	14 00	22-01
300	90-03	75-01	69-01	31 00	18 00	22 00	25-01
A	22-02	54 01	67 01	63 02	45 02	69 02	26 01
B	17-03	12-02	27-02	19-02	13-02	15-02	12 00
1	13-03	12-02	20-02	19-02	13-02	15-02	13-02
3	31-03	35-02	48-02	55-02	40-02	44-02	29-02

5	44-03	57-02	72-02	91-02	66-02	72-02	39-02
10	64-03	11-01	12-01	18-01	13-01	14-01	63-02
20	80-03	19-01	20-01	34-01	25-01	27-01	10-01
30	86-03	26-01	26-01	50-01	36-01	40-01	13-01
100	90-03	52-01	47-01	14 00	95-01	11 00	22-01
300	90-03	74-01	65-01	27 00	17 00	20 00	25-01

P=30 атм

	1	2	3	4	5	6	7
1	50-03	72-02	97-02	15-01	12-01	17-01	75-02
3	78-03	16-01	22-01	42-01	33-01	44-01	14-01
5	87-03	26-01	30-01	66-01	50-01	65-01	18-01
10	91-03	40-01	42-01	11 00	84-01	10 00	21-01
20	90-03	56-01	56-01	18 00	13 00	15 00	24-01
30	90-03	66-01	63-01	23 00	15 00	18 00	25-01
100	90-03	51-01	71-01	35 00	20 00	24 00	25-01
300	90-03	82-01	70-01	36 00	20 00	25 00	25-01
A	57-03	13 01	13 01	12 02	63 01	10 02	33 00
B	67-03	42-02	86-02	87-02	72-02	10-01	35 00
1	37-03	40-02	60-02	86-02	71-02	98-02	53-02
3	67-03	11-01	14-01	26-01	20-01	28-01	11-01
5	80-03	17-01	21-01	40-01	33-01	44-01	15-01
10	88-03	29-01	32-01	75-01	59-01	78-01	20-01
20	90-03	45-01	45-01	13 00	10 00	13 00	24-01
30	90-03	56-01	54-01	18 00	13 00	16 00	25-01
100	90-03	78-01	68-01	32 00	19 00	23 00	25-01
300	90-03	82-01	70-01	36 00	20 00	25 00	25-01

P=100 атм

	1	2	3	4	5	6	7
1	87-03	90-03	30-01	70-01	58-01	92-01	20-01
3	91-03	46-01	51-01	18 00	12 00	16 00	25-01
5	90-03	59-01	61-01	22 00	15 00	20 00	25-01
10	90-03	74-01	69-01	30 00	18 00	23 00	25-01
20	90-03	81-01	70-01	35 00	20 00	24 00	25-01
30	90-03	82-01	70-01	36 00	20 00	25 00	25-01
100	90-03	82-01	70-01	36 00	20 00	25 00	25-01
300	90-03	82-01	70-01	36 00	20 00	25 00	25-01
A	12-03	26 00	23 00	21 01	10 01	14 01	39-01
B	34-02	17-01	30-01	46-01	43-01	82-01	98 00
1	80-03	15-01	20-01	44-01	38-01	65-01	19-01
3	90-03	35-01	39-01	11 00	93-01	14 00	25-01
5	90-03	48-01	51-01	17 00	13 00	18 00	25-01
10	90-03	66-01	63-01	26 00	17 00	22 00	25-01
20	90-03	77-01	63-01	33 00	20 00	24 00	25-01
30	90-03	81-01	70-01	35 00	20 00	25 00	25-01
100	90-03	82-01	70-01	36 00	20 00	25 00	25-01
300	90-03	82-01	70-01	36 00	20 00	25 00	25-01

8	9	10	Сумма
45-05	24-05	96-06	12-04
78-05	34-05	21-05	22-04
98-05	42-05	31-05	29-04
13-04	58-05	51-05	39-04
17-04	80-05	87-05	55-04
19-04	98-05	12-04	66-04
29-04	21-04	31-04	12-03
41-04	47-04	71-04	24-03
43 07	91 02	46 01	20 09
10-04	48-05	11-05	19-04
34-05	20-05	62-06	86-05
60-05	30-05	14-05	16-04
77-05	35-05	20-05	21-04
10-04	45-05	22-05	30-04
14-04	60-05	53-05	42-04
16-04	73-05	72-05	51-04
25-04	14-04	19-04	91-04
36-04	28-04	46-04	17-03

8	9	10	Сумма
19-04	93-05	11-04	63-04
28-04	20-04	27-04	11-03
34-04	30-04	41-04	16-03
46-04	48-04	66-04	24-03
64-04	63-04	11-03	38-03
81-04	11-03	13-03	50-03
15-03	25-03	23-03	11-02
28-03	46-03	30-03	22-02
55 05	33 01	17 00	51 07
26-03	66-04	15-04	42-03
16-04	67-05	66-05	48-04
25-04	13-04	16-04	83-04
30-04	18-04	24-04	11-03
39-04	29-04	42-04	16-03
51-04	48-04	71-04	25-03
80-04	66-04	94-04	34-03
11-03	17-03	19-03	74-03
20-03	34-03	28-03	15-02

8	9	10	Сумма
32-04	24-04	32-04	13-03
54-04	56-04	73-04	29-03
70-04	64-04	10-03	39-03
10-03	14-03	15-03	62-03
15-03	22-03	20-03	93-03
20-03	29-03	24-03	12-02

37-03	52-03	31-03	26-02
61-03	77-03	32-03	56-02
76-04	86-00	46-01	98-06
96-03	22-03	51-04	15-02
29-04	15-04	19-04	97-04
45-04	33-04	47-04	19-03
56-04	49-04	69-04	26-03
76-04	84-04	11-03	41-03
11-03	14-03	16-03	65-03
14-03	19-03	20-03	85-03
26-03	40-03	29-03	19-02
48-03	66-03	32-03	36-02

8	9	10	Сумма
72-04	68-04	87-04	35-03
14-03	15-03	16-03	72-03
18-03	21-03	20-03	99-03
27-03	31-03	25-03	15-02
40-03	45-03	30-03	24-02
48-03	54-03	32-03	31-02
81-03	60-03	32-03	71-02
12-02	55-03	32-03	15-01
95-03	25-00	13-01	17-06
36-02	78-03	18-03	57-02
57-04	40-04	55-04	23-03
98-04	94-04	12-03	48-03
13-03	14-03	16-03	67-03
19-03	22-03	22-03	10-02
29-03	34-03	27-03	15-02
35-03	42-03	30-03	21-02
62-03	71-03	32-03	46-02
96-03	91-03	32-03	10-01

8	9	10	Сумма
17-03	16-03	17-03	83-03
33-03	32-03	26-03	17-02
42-03	42-03	29-03	23-02
57-03	67-03	32-03	35-02
80-03	72-03	32-03	58-02
97-03	81-03	32-03	73-02
15-02	95-03	32-03	19-01
21-02	95-03	32-03	46-01
16-03	73-01	38-02	36-05
12-01	24-02	55-03	13-01
12-03	11-03	13-03	56-03
24-03	23-03	22-03	15-02
30-03	32-03	26-03	11-02
42-03	47-03	30-03	24-02
60-03	62-03	32-03	38-02
74-03	72-03	32-03	50-02
12-02	92-03	32-03	15-01
18-02	95-03	32-03	23-01

8	9	10	Сумма
43-03	38-03	27-03	25-02
76-03	61-03	32-03	45-02
98-03	72-03	32-03	64-02
13-02	85-03	32-03	10-01
17-02	94-03	32-03	19-01
20-02	55-03	33-03	24-01
30-02	95-03	32-03	63-01
43-02	95-03	32-03	14 00
19 02	19-01	10-02	61 04
40-01	62-02	19-02	63-01
31-03	29-03	24-03	15-02
55-03	50-03	30-03	30-02
73-03	62-03	32-03	42-02
10-02	77-03	32-03	63-02
14-02	69-03	32-03	11-01
16-02	93-03	32-03	15-01
25-02	95-03	32-03	40-01
37-02	95-03	32-03	98-01

8	9	10	Сумма
10-02	65-03	32-03	58-02
17-02	86-03	32-03	13-01
21-02	92-03	32-03	19-01
27-02	95-03	32-03	32-01
34-02	95-03	32-03	66-01
39-02	95-03	32-03	78-01
58-02	95-03	32-03	20 00
72-02	95-03	32-03	41 00
27 01	52-02	31-03	11 04
12 00	25-01	57-02	19 00
75-03	65-03	31-03	38-02
14-02	79-03	32-03	81-02
16-02	63-03	32-03	12-01
22-02	94-03	32-03	20-01
28-02	95-03	32-03	35-01
33-02	95-03	32-03	48-01
51-02	95-03	32-03	13 00
69-02	95-03	32-03	30 00

8	9	10	Сумма
25-02	40-03	32-03	20-01
38-02	95-03	32-03	48-01
45-02	95-03	32-03	73-01
57-02	95-03	32-03	13 00
67-02	95-03	32-03	22 00
71-02	95-03	32-03	21 00
77-02	95-03	32-03	60 00
76-02	95-03	32-03	89 00
29 00	11-02	72-04	19 03
40 00	61-01	20-01	63 00
20-02	86-03	32-03	11-01
31-02	94-03	32-03	30-01

38-02	95-03	32-03	45-01
49-02	35-03	32-03	81-01
61-02	56-03	32-03	14 03
68-02	95-03	32-03	23 03
77-02	35-03	32-03	47 00
78-02	95-03	32-03	81 00

8	9	10	Сумма
52-02	95-03	32-03	75-01
68-02	95-03	32-03	18 00
72-02	95-03	32-03	26 00
77-02	95-03	32-03	42 30
78-02	95-03	32-03	61 00
78-02	95-03	32-03	73 00
78-02	95-03	32-03	97 00
78-02	95-03	32-03	10 01
36-01	25-03	17-04	32 02
12 01	23 00	65-01	18 01
44-02	95-03	32-03	47-01
63-02	95-03	32-03	12 00
71-02	95-03	32-03	18 00
77-02	95-03	32-03	30 00
78-02	95-03	32-03	40 00
78-02	95-03	32-03	61 00
78-02	95-03	32-03	93 00
78-02	95-03	32-03	10 01

8	9	10	Сумма
75-02	95-03	32-03	30 00
78-02	95-03	32-03	58 00
78-02	95-03	32-03	72 00
78-02	95-03	32-03	89 00
78-02	95-03	32-03	98 00
78-02	95-03	32-03	10 01
78-02	95-03	32-03	10 01
78-02	95-03	32-03	10 01
49.02	46-04	32-05	51 01
33 01	67 00	24 00	54 01
75-02	95-03	32-03	21 00
78-02	95-03	32-03	46 00
78-02	95-03	32-03	61 00
78-02	95-03	32-03	82 00
78-02	95-03	32-03	95 00
78-02	95-03	32-03	98 00
78-02	95-03	32-03	10 01
78-02	95-03	32-03	10 01

