

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=4000 K

P=0,001 атм

	1	2	3	4	5	6	7
1	26-09	36-09	31-10	14-09	16-09	80-09	29-10
3	79-09	11-06	92-10	43-09	48-09	24-08	87-10
5	13-08	19-08	15-09	78-09	81-09	40-08	14-09
10	26-08	38-06	31-09	14-06	16-08	80-08	29-09
20	53-08	76-06	62-09	29-08	32-06	16-07	57-09
30	79-08	11-07	92-09	43-08	46-08	24-07	86-09
100	26-07	38-07	31-08	14-07	16-07	80-07	28-08
300	79-07	11-08	92-08	43-07	46-07	24-06	84-08
A	37 09	77 12	46 12	27 11	11 10	41 08	54 01
B	13-09	19-09	15-10	72-10	81-10	40-09	14-10
1	13-09	19-09	15-10	72-10	81-10	40-09	14-10
3	40-09	57-09	48-10	22-09	24-09	12-08	43-10
5	66-09	96-09	77-10	36-09	40-09	20-08	72-10
10	13-08	19-06	15-09	72-09	81-09	40-00	14-09
20	26-08	38-06	31-09	14-08	16-08	80-08	29-09
30	40-08	57-08	46-09	22-08	84-08	12-07	43-09
100	13-07	19-07	15-09	72-08	81-08	40-07	14-08
300	40-07	57-07	46-08	82-07	24-07	12-06	42-08

P=0,01 атм

	1	2	3	4	5	6	7
1	86-08	12-07	67-09	46-08	57-08	28-07	99-09
3	26-07	37-07	20-08	14-07	17-07	84-07	30-06
5	43-07	81-07	34-08	33-07	28-07	14-06	49-06
10	86-07	12-06	67-08	46-07	47-07	28-06	98-06
20	17-06	24-06	13-07	92-07	11-06	56-06	20-07
30	28-06	37-06	80-07	14-06	17-06	84-06	29-07
100	86-06	18-05	67-07	46-06	37-06	28-06	92-07
300	86-05	37-06	20-06	14-05	17-05	81-05	24-06
A	59 07	13 11	74 10	60 09	17 08	47 06	86-01
B	43-08	68-08	34-09	23-08	28-08	14-07	50-09
1	43-08	61-08	34-09	23-06	81-08	14-07	50-09
3	13-07	18-07	10-08	69-06	85-08	48-07	15-08
5	22-07	31-07	17-06	11-07	14-07	70-07	25-08
10	43-07	61-07	34-06	23-07	88-07	14-06	50-08
20	86-07	12-06	67-06	46-07	57-07	28-06	99-08
30	13-06	18-06	10-07	69-07	85-07	42-06	15-07
100	43-06	61-06	34-07	23-06	88-06	14-06	49-07
300	13-05	18-05	10-06	69-06	85-06	42-05	14-06

P=0,03 атм

	1	2	3	4	5	6	7
1	44-07	83-07	32-08	24-07	31-07	15-06	55-08
3	13-06	15-06	96-08	73-07	93-07	48-06	16-07
5	22-06	31-06	16-07	12-06	16-06	77-06	27-07
10	44-06	63-06	32-07	24-06	31-06	15-05	53-07
20	86-06	12-06	84-07	49-06	68-06	30-05	10-06
30	13-05	19-05	96-07	73-06	93-06	45-05	15-06
100	44-05	63-05	32-06	24-05	31-05	14-04	41-06

300	13-04	19-04	96-06	73-05	93-05	40-04	86-06
A	81-06	18-10	12-10	73-06	21-07	51-05	12-01
B	22-07	31-07	16-06	12-07	16-07	77-07	28-08
1	22-07	31-07	16-06	12-07	18-07	77-07	26-08
3	66-07	94-07	48-06	36-07	47-07	23-06	83-06
5	11-06	16-06	80-06	61-07	78-07	38-06	14-07
10	22-06	31-06	16-07	12-06	16-06	77-06	28-07
20	44-06	63-06	32-07	24-06	31-06	15-05	55-07
30	66-06	94-06	48-07	36-06	47-06	23-05	81-07
100	22-05	31-06	16-06	12-05	16-05	78-05	25-08
300	66-05	94-05	48-06	36-05	47-05	22-04	60-06

P=0,1 атм

	1	2	3	4	5	6	7
1	26-06	37-06	19-07	16-06	21-06	10-05	38-07
3	78-06	11-05	56-07	47-06	62-06	30-05	10-06
5	13-05	18-05	94-07	78-06	10-05	50-05	16-06
10	26-05	37-05	19-06	16-05	21-05	98-05	30-06
20	52-05	74-03	37-06	31-05	41-06	19-04	32-06
30	78-05	11-04	56-06	47-05	62-05	28-04	69-06
100	26-04	37-04	19-05	16-04	21-04	80-04	13-05
300	77-04	11-03	56-05	47-04	62-04	19-03	17-05
A	92-05	24-09	16-09	87-07	21-06	60-04	15-02
B	13-06	16-06	94-08	78-07	10-06	51-06	19-07
1	13-06	18-06	94-08	78-07	10-06	51-06	19-07
3	39-06	55-06	28-07	23-06	31-06	15-05	56-07
5	65-06	92-06	47-07	39-06	52-06	25-05	92-07
10	13-05	18-05	94-07	78-06	10-05	50-05	18-06
20	26-05	37-05	19-06	16-05	21-05	10-04	33-06
30	39-05	55-05	28-06	23-05	31-05	15-04	46-06
100	13-04	18-04	94-06	78-05	10-04	45-04	10-05
300	39-04	55-04	28-05	23-04	31-04	12-03	16-05

P=0,3 атм

	1	2	3	4	5	6	7
1	13-05	18-05	10-06	89-06	12-05	57-05	19-06
3	39-05	55-05	30-06	27-05	36-05	16-04	49-06
5	65-05	92-05	51-06	44-05	59-05	26-04	71-06
10	13-04	18-04	10-05	89-05	12-04	50-04	11-05
20	26-04	37-04	20-05	18-04	24-04	91-04	15-05
30	39-04	55-04	30-05	27-04	36-04	13-03	16-05
100	13-03	18-03	10-04	89-04	12-03	31-03	19-05
300	36-03	52-03	30-04	27-03	34-03	62-03	19-05
A	12-05	38-08	21-08	12-07	30-05	90-03	22-03
B	65-06	92-06	51-07	44-06	59-06	29-05	11-06
1	65-06	92-06	51-07	44-06	59-06	29-05	11-06
3	20-05	28-05	15-06	13-05	18-05	86-05	30-06
5	33-05	46-05	25-06	22-05	30-05	14-04	49-06
10	65-05	92-05	51-06	44-05	59-05	27-04	81-06
20	13-04	18-04	10-05	89-05	12-04	52-04	12-05
30	20-04	28-04	15-05	13-04	18-04	74-04	14-05
100	65-04	92-04	51-05	44-04	59-04	20-03	19-05
300	19-03	27-03	15-04	13-03	18-03	42-03	19-05

P=1 атм

	1	2	3	4	5	6	7
1	69-05	97-05	65-06	58-05	75-05	33-04	85-06
3	20-04	29-04	20-05	17-04	22-04	86-04	15-05
5	34-04	48-04	33-05	29-04	37-04	13-03	17-05
10	67-04	96-04	65-05	58-04	75-04	22-03	19-05
20	13-03	19-03	13-04	12-03	15-03	37-03	19-05
30	19-03	28-03	20-04	17-03	22-03	48-03	19-05
100	54-03	83-03	65-04	58-03	70-03	94-03	19-05
300	12-02	20-02	20-03	17-02	18-02	14-02	19-05
A	14 04	58 07	17 07	15 06	42 04	11 03	30-04
B	34-05	49-05	33-06	29-05	38-05	18-04	72-06
1	34-05	49-05	33-06	29-05	38-05	18-04	60-06
3	10-04	14-04	98-06	87-05	11-04	50-04	13-05
5	17-04	24-04	16-06	14-04	18-04	78-04	16-05
10	34-04	48-04	33-05	29-04	38-04	14-03	18-05
20	66-04	96-04	65-05	58-04	75-04	24-03	19-05
30	98-04	14-03	88-05	87-04	11-03	32-03	19-05
100	30-03	44-63	33-04	29-03	37-03	70-03	19-05
300	70-03	11-02	98-04	86-03	11-02	12-02	19-05

P=3 атм

	1	2	3	4	5	6	7
1	28-04	40-04	37-05	31-04	36-04	13-03	17-05
3	82-04	12-03	11-04	93-04	11-03	29-03	19-05
5	13-03	19-03	18-04	16-03	18-03	42-03	19-05
10	26-03	38-03	37-04	31-03	35-03	85-03	19-05
20	48-03	73-03	74-04	62-03	68-03	94-03	19-05
30	68-03	10-02	11-03	93-03	98-03	11-02	19-05
100	17-02	26-02	37-03	30-02	28-02	17-02	19-05
300	30-02	62-02	11-02	88-02	62-02	20-02	19-05
A	19 03	74 06	88 05	55 05	29 03	18 02	60-05
B	14-04	20-04	18-05	16-04	18-04	87-04	35-05
1	14-04	20-04	18-05	16-04	18-04	75-04	16-05
3	42-04	60-04	55-05	47-04	54-04	19-03	19-05
5	59-04	99-04	92-05	78-04	90-04	28-03	19-05
10	14-03	20-03	18-04	16-03	18-03	46-03	19-05
20	26-03	38-03	37-04	31-03	36-03	71-03	19-05
30	38-03	56-03	55-04	47-03	53-03	89-03	19-05
100	10-02	17-02	18-03	15-02	16-02	15-02	19-05
300	22-02	39-02	55-03	46-02	20-02	20-02	19-05

P=10 атм

	1	2	3	4	5	6	7
1	12-03	17-03	25-04	19-03	17-03	40-03	19-05
3	33-03	49-03	74-04	57-03	50-03	77-03	19-05
5	52-03	79-03	12-03	95-03	81-03	10-02	19-05
10	94-03	15-02	25-03	19-02	15-02	14-02	19-05
20	16-02	26-02	49-03	37-02	27-02	17-02	19-05
30	21-02	36-02	74-03	58-02	37-02	19-02	19-05
100	34-02	86-02	24-02	17-01	79-02	22-02	19-05
300	53-02	16-01	71-02	44-01	12-01	24-02	19-05
A	29 02	62 05	42 04	35 04	21 02	31 01	14-05
B	59-04	86-04	12-04	98-04	88-04	41-03	17-04
1	59-04	85-04	12-04	98-04	88-04	20-03	19-05
3	17-03	25-04	37-04	29-03	26-03	56-03	19-05
5	28-03	42-03	82-04	40-03	43-03	76-03	19-05

10	54-03	81-03	12-03	96-03	63-03	11-02	19-05
20	10-02	15-02	25-03	14-02	16-02	15-02	19-05
30	14-02	22-02	37-03	28-02	23-02	17-02	19-05
100	31-02	57-02	12-02	92-02	50-02	22-02	19-05
300	48-02	12-01	36-02	20-01	11-01	24-02	19-05

P=30 атм

	1	2	3	4	5	6	7
1	37-03	57-03	14-03	97-03	83-03	67-03	19-05
3	97-03	16-02	40-03	29-02	17-02	14-02	19-05
5	14-02	24-02	60-03	47-02	26-02	17-02	19-05
10	24-02	43-02	13-02	93-02	45-02	20-02	19-05
20	35-02	71-02	27-02	10-01	71-02	22-02	19-05
30	37-02	88-02	40-02	26-01	60-02	23-02	19-05
100	59-02	20-01	12-01	09-01	14-01	24-02	19-05
300	72-02	39-01	33-01	14 00	17-01	24-02	19-05
A	69 01	85 04	82 03	29 03	34 01	98 00	34-06
B	20-03	30-03	68-04	49-03	33-03	15-02	12-04
1	20-03	30-03	68-04	49-03	33-03	15-03	19-05
3	66-03	86-03	20-03	14-02	95-03	12-02	19-05
5	90-03	14-02	34-03	24-02	15-02	16-02	19-05
10	16-02	26-02	68-03	40-02	20-02	19-02	19-05
20	27-02	46-02	14-02	95-02	50-02	22-02	19-05
30	34-02	63-02	20-02	14-01	67-02	23-02	19-05
100	63-02	14-01	66-02	43-01	13-01	24-02	19-05
300	68-02	28-01	19-01	10 00	17-01	29-02	19-05

P=100 атм

	1	2	3	4	5	6	7
1	12-02	20-02	86-03	87-02	23-02	16-02	19-05
3	28-02	80-02	26-02	16-01	84-02	21-02	19-05
5	35-02	74-02	42-02	26-01	75-02	22-02	19-05
10	43-02	12-01	82-02	47-01	11-01	24-02	19-05
20	56-02	19-01	16-01	80-01	14-01	24-02	19-05
30	63-02	25-01	23-01	11 00	15-01	24-02	19-05
100	80-02	51-01	60-01	19 00	18-01	24-02	19-05
300	98-02	10 00	12 00	28 00	18-01	24-02	19-05
A	11 01	16 04	98 02	46 02	78 04	28 00	87-07
B	78-03	12-02	43-03	29-02	14-02	56-02	24-03
1	70-03	11-02	43-03	29-02	13-02	14-02	19-05
3	18-02	31-02	13-02	86-02	38-02	20-02	19-05
5	26-02	47-02	22-02	14-01	53-02	22-02	19-05
10	39-02	80-02	43-02	27-01	96-02	24-02	19-05
20	50-02	13-01	84-02	81-01	12-01	24-02	19-05
30	86-02	17-01	12-01	72-01	14-01	24-02	19-05
100	75-02	37-01	38-01	16 00	16-01	24-02	19-05
300	91-02	74-01	91-01	28 00	18-01	24-02	19-05

8	9	10	Сумма
69-11	31-12	93-13	13-08
88-11	69-12	24-12	54-06
99-11	10-11	37-12	90-08
12-10	18-11	61-12	18-07
15-10	33-11	94-12	36-07
16-10	45-11	11-11	54-07
37-10	12-10	16-11	13-06
87-10	26-10	18-11	54-06
12 00	46-05	31-08	12 13
24-10	36-12	64-13	93-09
62-11	21-12	51-13	91-09
81-11	43-12	14-12	27-08
90-11	62-12	22-12	45-08
10-10	10-11	40-12	91-08
13-10	19-11	68-12	18-07
14-10	27-11	89-12	27-07
25-10	74-11	15-11	90-07
53-10	17-10	18-11	27-06

8	9	10	Сумма
16-10	19-11	63-12	61-07
32-10	50-11	12-11	18-06
46-10	76-11	14-11	30-06
13-10	13-10	16-11	61-06
16-08	21-10	17-11	12-05
22-09	27-10	18-11	19-05
70-09	51-10	18-11	60-05
19-08	73-10		18-04
23-02	26-06	20-09	21 11
22-09	19-11	66-12	31-07
13-10	11-11	41-12	30-07
22-10	28-11	92-12	91-07
30-10	44-11	12-11	15-06
50-10	80-11	15-11	30-06
90-10	14-10	17-11	61-06
13-09	19-10	18-11	91-06
39-09	40-10	18-11	30-05
11-08	66-10	19-11	91-05

8	9	10	Сумма
59-10	52-11	12-11	32-06
16-09	13-10	16-11	97-06
26-09	18-10	17-11	16-05
49-09	29-10	18-11	32-05
94-09	43-10	18-11	65-05
14-08	51-10	16-11	57-05
41-08	77-10	19-11	32-04

10-07	89-10	19-11	90-04
31-03	65-07	54-10	31 10
65-09	47-11	20-11	16-06
36-10	29-11	92-12	16-06
88-10	77-11	15-11	49-06
14-09	12-10	17-11	81-06
26-09	20-10	18-11	16-05
51-09	31-10	18-11	32-05
76-09	40-10	18-11	49-05
24-08	70-10	19-11	16-04
66-08	89-10	19-11	47-04

8	9	10	Сумма
44-09	16-10	16-11	21-05
12-08	33-10	18-11	62-05
20-08	44-10	18-11	10-04
38-08	61-10	19-11	20-04
69-09	76-10	19-11	40-04
94-08	84-10	19-11	59-04
21-07	95-10	19-11	18-03
31-07	96-10	19-11	49-03
34-04	13-07	13-10	40 09
22-08	14-10	66-11	10-05
23-09	95-11	15-11	10-05
67-09	23-10	18-11	31-05
11-08	32-10	18-11	52-05
21-08	49-10	18-11	10-04
41-08	67-10	19-11	20-04
59-08	77-10	19-11	30-04
16-07	94-10	19-11	97-04
28-07	96-10	19-11	27-03

8	9	10	Сумма
29-08	38-10	18-11	11-04
74-08	67-10	19-11	33-04
11-07	79-10	19-11	54-04
17-07	91-10	19-11	10-03
25-07	96-10	18-11	20-03
29-07	96-10	19-11	29-03
33-07	96-10	19-11	84-03
33-07	96-10	19-11	21-02
47-05	28-08	37-11	61 08
72-08	48-10	20-10	57-05
16-08	29-10	18-11	57-05
45-08	67-10	19-11	17-04
71-08	74-10	19-11	28-04
12-07	87-10	19-11	55-04
20-07	94-10	19-11	11-03
25-07	96-10	19-11	16-03
32-07	96-10	19-11	46-03
33-07	96-10	19-11	12-02

8	9	10	Сумма
15-07	84-10	19-11	64-04
27-07	96-10	19-11	16-03
31-07	96-10	19-11	28-03
33-07	96-10	19-11	53-03
33-07	96-10	19-11	96-03
33-07	96-10	19-11	14-02
33-07	96-10	19-11	36-02
33-07	96-10	19-11	84-02
60-06	49-09	85-12	76 07
28-07	21-09	67-10	34-04
10-07	76-10	19-11	34-04
22-07	94-10	19-11	96-04
27-07	96-10	19-11	14-03
32-07	96-10	19-11	29-03
33-07	96-10	19-11	54-03
33-07	96-10	19-11	77-03
33-07	96-10	19-11	21-02
33-07	98-10	19-11	51-02

8	9	10	Сумма
31-07	96-10	19-11	27-03
33-07	96-10	19-11	71-03
33-07	96-10	19-11	11-02
33-07	90-10	19-11	20-02
33-07	96-10	19-11	33-02
33-07	96-10	19-11	49-02
33-07	96-10	19-11	12-01
33-07	66-10	19-11	27-01
11-08	10-09	24-12	89 06
10-06	68-09	20-09	16-03
28-07	66-10	19-11	14-03
32-07	98-10	19-11	40-03
33-07	96-10	19-11	62-03
33-07	96-10	19-11	11-02
33-07	96-10	19-11	20-02
33-07	96-10	19-11	29-02
33-07	96-10	19-11	76-02
33-07	96-10	19-11	17-01

8	9	10	Сумма
33-07	96-10	19-11	19-11
33-07	96-10	19-11	27-02
33-07	96-10	19-11	42-02
33-07	96-10	19-11	74-02
33-07	96-10	19-11	13-01
33-07	96-10	19-11	19-01
33-07	96-10	19-11	42-01
33-07	96-10	19-11	68-01
22-07	22-10	61-13	70 05
43-062	39-08	68-09	77-03
33-07	96-10	19-11	60-03
33-07	96-10	19-11	16-02
33-07	96-10	19-11	24-02

33-07	96-10	19-11	44-02
33-07	96-10	19-11	70-02
33-07	96-10	19-11	11-01
33-07	96-10	19-11	27-01
33-07	96-10	19-11	89-01

8	9	10	Сумма
33-07	96-10	19-11	35-02
33-07	96-10	19-11	90-02
33-07	96-10	19-11	14-01
33-07	96-10	19-11	24-01
33-07	96-10	19-11	40-01
33-07	96-10	19-11	53-01
33-07	96-10	19-11	12 00
33-07	96-10	19-11	24 00
58-08	62-11	20-13	94 04
10-05	14-07	20-08	29-02
33-07	96-10	19-11	20-02
33-07	96-10	19-11	82-02
33-07	96-10	19-11	81-02
33-07	96-10	19-11	14-01
33-07	96-10	19-11	25-01
33-07	96-10	19-11	35-01
33-07	96-10	19-11	84-01
33-07	96-10	19-11	16 00

8	9	10	Сумма
33-07	96-10	19-11	14-01
33-07	96-10	19-11	34-01
33-07	96-10	19-11	51-01
33-07	96-10	19-11	84-01
33-07	96-10	19-11	14 00
33-07	96-10	19-11	18 00
33-07	96-10	19-11	33 00
33-07	96-10	19-11	50 00
15-08	16-11	54-14	18 04
56-05	53-07	71-08	13-01
33-07	96-10	19-11	79-02
33-07	96-10	19-11	20-01
33-07	96-10	19-11	31-01
33-07	96-10	19-11	54-01
33-07	96-10	19-11	92-01
33-07	96-10	19-11	12 00
33-07	96-10	19-11	27 00
33-07	96-10	19-11	44 00

