

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=14000 K

P=0,001 атм

	1	2	3	4	5	6	7	8
1	10-08	60-08	90-08	47-08	83-09	50-09	22-08	72-06
3	31-08	18-07	27-07	14-07	25-08	16-08	67-06	20-05
5	52-08	30-07	45-07	23-07	42-08	25-08	11-05	33-05
10	10-07	60-07	90-07	47-07	83-08	50-08	21-05	60-05
20	24-07	12-06	18-06	94-07	17-07	10-07	40-05	10-04
30	31-07	18-06	27-06	14-06	25-07	15-07	58-06	14-04
100	10-03	60-06	90-06	47-06	83-07	50-07	15-04	31-04
300	31-08	18-05	27-05	14-05	25-06	15-06	31-04	56-04
A	10 03	42 06	13 07	41 08	12 09	70 09	28 09	17 09
B	52-09	30-08	46-08	23-08	42-09	25-09	11-06	37-06
1	52-09	30-08	45-08	23-08	42-09	25-09	11-06	37-06
3	16-08	89-08	13-07	70-08	12-08	75-09	34-06	11-05
5	26-08	15-07	22-07	12-07	21-08	12-08	56-06	18-05
10	52-08	30-07	45-07	23-07	42-08	25-08	11-05	34-05
20	10-07	60-07	90-07	47-07	83-08	50-08	22-05	64-05
30	16-07	89-07	13-06	70-07	12-07	76-08	32-05	91-05
100	52-07	30-06	45-06	23-06	42-07	25-07	98-05	22-04
300	16-06	89-06	13-05	70-06	12-06	75-07	22-04	42-04

P=0,01 атм

	1	2	3	4	5	6	7	8
1	10-06	67-06	86-06	33-06	47-07	44-07	15-04	30-04
3	30-06	17-05	26-05	69-06	14-06	13-06	29-04	54-04
5	49-06	29-05	43-05	18-05	23-06	22-06	39-04	69-04
10	98-06	57-05	86-05	33-05	47-06	44-06	53-04	96-04
20	19-05	11-04	17-04	66-05	94-06	88-06	66-04	13-03
30	29-05	17-04	22-04	99-05	14-05	13-05	71-04	16-03
100	90-05	57-04	64-04	33-04	47-05	44-05	92-04	26-03
300	24-04	17-03	16-03	93-04	14-04	13-04	12-03	44-03
A	11 01	43 04	13 05	42 06	12 07	74 07	28 07	12 07
B	50-07	29-06	43-06	16-06	23-07	22-07	11-04	36-04
1	50-07	29-08	43-06	16-06	23-07	22-07	94-06	22-04
3	16-06	86-06	13-05	49-06	70-07	86-07	22-04	42-04
5	25-06	14-05	21-05	84-06	12-06	11-06	30-04	56-04
10	50-06	29-05	43-05	16-05	23-06	22-06	44-04	79-04
20	99-06	57-05	86-05	33-05	47-06	44-06	57-04	11-03
30	15-05	86-05	13-04	49-05	70-06	68-06	65-04	13-03
100	48-05	29-04	39-04	16-04	23-05	22-05	90-04	23-03
300	14-04	86-04	10-03	49-04	70-05	66-05	12-03	36-03

P=0,03 атм

	1	2	3	4	5	6	7	8
1	82-06	48-05	71-05	27-05	37-06	37-06	45-04	93-04
3	24-05	14-04	21-04	80-05	11-05	11-06	72-04	15-03
5	40-05	24-04	36-04	13-04	18-05	19-05	84-04	20-03
10	78-05	48-04	62-04	27-04	37-05	37-05	10-03	28-03
20	14-04	96-04	11-03	54-04	74-05	75-05	12-03	39-03
30	20-04	14-03	14-03	60-04	11-04	11-04	14-03	48-03

100	56-04	47-03	40-03	25-03	37-04	37-04	22-03	99-03
300	12-03	13-02	10-02	72-03	11-03	11-03	35-03	19-02
A	13 00	50 03	15 04	50 05	15 06	86 06	28 06	97 05
B	42-08	24-05	36-05	13-05	18-06	19-06	91-04	30-03
1	42-06	24-05	36-05	13-05	18-06	19-06	43-04	77-04
3	12-05	72-05	11-04	40-05	56-08	66-06	68-04	14-03
5	20-05	12-04	18-04	87-05	93-06	94-06	81-04	17-03
10	40-05	24-04	35-04	13-04	18-05	19-05	99-04	24-03
20	79-05	48-04	64-04	27-04	37-05	37-05	12-03	32-03
30	12-04	72-04	91-04	40-04	66-05	66-05	13-03	39-03
100	34-04	24-03	24-03	13-03	18-04	18-04	19-03	70-03
300	83-04	71-03	60-03	38-03	56-04	56-04	29-03	13-02

P=0,1 атм

	1	2	3	4	5	6	7	8
1	70-05	44-04	64-04	24-04	33-05	36-06	12-03	34-03
3	18-04	13-03	15-03	72-04	99-05	11-04	19-03	60-03
5	29-04	22-03	23-03	12-03	16-04	16-04	24-03	82-03
10	52-04	43-03	40-03	23-03	33-04	36-04	33-03	12-02
20	87-04	84-03	72-03	45-03	68-04	71-04	46-03	20-02
30	11-03	18-02	10-02	68-03	99-04	11-03	56-03	26-02
100	22-03	36-02	27-02	21-02	33-03	36-03	10-02	47-02
300	32-03	87-02	64-02	61-02	99-03	11-02	21-02	81-02
A	14-01	54 02	16 03	54 04	16 05	89 05	23 05	64 04
B	38-05	22-04	32-04	12-04	18-05	18-05	84-03	28-02
1	37-05	22-04	32-04	12-04	16-05	18-05	12-03	28-03
3	10-04	66-04	90-04	36-04	50-05	54-05	17-03	46-03
5	17-04	11-03	14-03	60-04	83-05	89-05	20-03	80-03
10	31-04	22-03	24-03	12-03	16-04	18-04	27-03	88-03
20	56-04	43-03	43-03	24-03	33-04	36-04	35-03	13-02
30	77-04	65-03	60-03	35-03	50-04	54-04	42-03	17-02
100	18-03	21-02	16-02	11-02	16-03	18-03	77-03	34-02
300	29-03	56-02	41-02	32-02	50-03	54-03	14-02	62-02

P=0,3 атм

	1	2	3	4	5	6	7	8
1	35-04	27-03	31-03	15-03	20-04	24-04	40-03	13-02
3	83-04	78-03	74-03	42-03	61-04	72-04	69-03	24-02
5	12-03	13-02	11-02	69-03	10-03	12-03	90-03	34-02
10	18-03	24-02	20-02	14-02	20-03	24-03	13-02	48-02
20	25-03	44-02	35-02	28-02	41-03	48-03	20-02	69-02
30	28-03	61-02	47-02	39-02	61-03	72-03	26-02	82-02
100	34-03	14-01	11-01	12-01	20-02	24-02	44-02	13-01
300	34-03	24-01	19-01	31-01	59-02	71-02	73-02	17-01
A	23-02	84 01	23 02	85 03	26 04	13 05	27 04	81 03
B	24-04	14-04	20-03	74-04	10-04	12-04	53-02	17-01
1	21-04	14-03	17-03	74-04	10-04	12-04	31-03	89-03
3	53-04	40-03	43-03	22-03	31-04	36-04	52-03	17-02
5	80-04	67-03	87-03	38-03	51-04	90-04	67-03	24-02
10	13-03	13-02	12-02	70-03	10-03	12-03	95-03	34-02
20	20-03	25-02	21-02	14-02	20-03	24-03	14-02	50-02
30	24-03	37-02	30-02	20-02	31-03	36-03	22-02	63-02
100	33-03	10-01	75-02	64-02	10-02	12-02	31-02	11-01
300	34-03	20-01	15-01	18-01	30-02	36-02	56-02	15-01

P=1 атм

	1	2	3	4	5	6	7	8
1	13-03	15-02	14-02	94-03	17-03	26-03	15-02	48-02
3	23-03	39-02	35-02	25-02	52-03	78-03	28-02	82-02
5	28-03	59-02	51-02	41-02	87-03	13-02	34-02	10-01
10	33-03	10-01	62-02	79-02	17-02	26-02	52-02	13-01
20	34-03	16-01	13-01	15-01	34-02	51-02	67-02	16-01
30	34-03	19-01	16-01	21-01	51-02	76-02	80-02	18-01
100	34-03	30-01	26-01	56-01	16-01	24-01	15-01	25-01
300	34-03	35-01	33-01	12 00	41-01	64-01	29-01	32-01
A	39-03	14 01	35 01	12 03	29 03	12 04	25 03	56 02
B	14-03	79-03	11-02	46-03	87-04	13-03	31-01	10 00
1	89-04	78-03	85-03	46-03	87-04	13-03	11-02	33-02
3	19-03	22-02	21-02	13-02	26-03	39-03	23-02	63-02
5	24-03	36-02	32-02	22-02	44-03	65-03	27-02	79-02
10	30-03	65-02	55-02	42-02	87-03	13-02	44-02	11-01
20	33-03	11-01	90-02	82-02	17-02	26-02	53-02	14-01
30	34-03	15-01	12-01	12-01	26-02	39-02	61-02	16-01
100	34-03	26-01	21-01	36-01	85-02	13-01	11-01	22-01
300	34-03	34-01	30-01	85-01	24-01	37-01	21-01	28-01

P=3 атм

	1	2	3	4	5	6	7	8
1	26-03	51-02	48-02	37-02	96-03	16-02	44-02	12-01
3	33-03	12-01	10-01	10-01	29-02	46-02	71-02	17-01
5	34-03	18-01	14-01	17-01	47-02	77-02	90-02	19-01
10	34-03	23-01	20-01	30-01	92-02	15-01	13-01	23-01
20	34-03	29-01	26-01	53-01	17-01	29-01	19-01	28-01
30	34-03	32-01	29-01	71-01	25-01	48-01	24-01	30-01
100	34-03	36-01	34-01	14 00	65-01	11 00	45-01	39-01
300	34-03	36-01	34-01	21 00	13 00	23 00	69-01	46-01
A	95-04	30 00	74 00	24 02	53 02	20 03	36 08	77 01
B	57-03	32-02	46-02	20-02	49-03	78-03	13 00	42 00
1	22-03	30-02	30-02	20-02	49-03	78-03	32-02	94-02
3	32-03	78-02	70-02	58-02	15-02	23-02	58-02	14-01
5	33-03	12-01	10-01	61-02	24-02	39-08	88-02	17-01
10	34-03	18-01	15-01	17-01	48-02	78-02	95-02	80-01
20	34-03	25-01	21-01	33-01	95-02	16-01	14-01	24-01
30	34-03	28-01	24-01	46-01	14-01	23-01	17-01	27-01
100	34-03	35-01	32-01	11 00	43-01	70-01	34-01	38-01
300	34-03	36-01	34-01	19 00	10-00	17 00	59-01	44-01

P=10 атм

	1	2	3	4	5	6	7	8
1	34-03	15-01	15-01	17-01	59-02	10-01	11-01	22-01
3	34-03	25-01	24-01	42-01	16-01	30-01	20-01	26-01
5	34-03	30-01	29-01	63-01	28-01	47-01	87-01	32-01
10	34-03	34-01	32-01	10 00	46-01	84-01	38-01	37-01
20	34-03	36-01	33-01	15 00	76-01	14 00	52-01	42-01
30	34-03	36-01	34-01	17 00	99-01	18 00	81-01	45-01
100	34-03	36-01	34-01	22 00	16 00	33 00	83-01	48-01
300	34-03	38-01	34-01	22 00	18 00	37 00	85-01	48-01
A	22-04	65-01	14 00	44 01	83 01	30 02	53 01	11 01
B	24-02	14-01	19-01	66-02	31-02	54-02	53 00	17 01
1	33-03	10-01	99-02	60-02	31-02	54-02	84-02	19-01
3	34-03	21-01	18-01	25-01	91-02	16-01	15-01	23-01

5	34-03	26-01	23-01	38-01	15-01	26-01	20-01	28-01
10	34-03	32-01	29-01	70-01	28-01	50-01	29-01	33-01
20	34-03	35-01	31-01	11 00	62-01	93-01	42-01	39-01
30	34-03	35-01	33-01	14 00	72-01	13 00	51-01	48-01
100	34-03	36-01	34-01	21 00	15 00	28 00	77-01	47-01
300	34-03	36-01	34-01	22 00	18 00	37 00	85-01	48-01

P=30 атм

	1	2	3	4	5	6	7	8
1	34-03	27-01	27-01	56-01	28-01	50-01	29-01	33-01
3	34-03	35-01	32-01	12 00	66-01	12 00	49-01	41-01
5	34-03	36-01	34-01	15 00	92-01	17 00	60-01	44-01
10	34-03	36-01	34-01	20 00	13 00	26 00	75-01	47-01
20	34-03	36-01	34-01	22 00	17 00	34 00	84-01	48-01
30	34-03	36-01	34-01	23 00	18 00	36 00	85-01	48-01
100	34-03	36-01	34-01	22 00	18 00	37 00	85-01	48-01
300	34-03	36-01	34-01	22 00	18 00	37 00	85-01	48-01
A	64-05	17-01	31-01	85 00	15 01	55 01	98 00	19 00
B	85-02	47-01	84-01	39-01	17-01	29-01	18 01	58 01
1	34-03	23-01	22-01	34-01	16-01	28-01	22-01	29-01
3	34-03	32-01	29-01	65-01	44-01	78-01	39-01	38-01
5	34-03	35-01	32-01	12 00	67-01	12 00	50-01	42-01
10	34-03	36-01	34-01	17 00	11 00	20 00	68-01	46-01
20	34-03	36-01	34-01	21 00	15 00	29 00	79-01	48-01
30	34-03	36-01	34-01	22 00	17 00	34 00	83-01	48-01
100	34-03	36-01	34-01	22 00	18 00	37 00	85-01	48-01
300	34-03	36-01	34-01	22 00	18 00	37 00	85-01	48-01

P=100 атм

	1	2	3	4	5	6	7	8
1	34-03	35-01	34-01	18 00	11 00	20 00	68-01	46-01
3	34-03	38-01	34-01	22 00	17 00	34 00	83-01	48-01
5	34-03	38-01	34-01	23 00	18 00	37 00	85-01	48-01
10	34-03	36-01	34-01	22 00	18 00	37 00	85-01	48-01
20	34-03	36-01	34-01	22 00	18 00	37 00	85-01	48-01
30	34-03	36-01	34-01	22 00	18 00	37 00	85-01	48-01
100	34-03	36-01	34-01	22 00	18 00	37 00	85-01	48-01
300	34-03	38-01	34-01	22 00	18 00	37 00	85-01	48-01
A	18-05	38-02	56-02	17 00	24 00	85 00	14 00	27-01
B	33-01	17 00	22 00	20 00	11 00	19 00	65 01	21 02
1	34-03	34-01	32-01	12 00	80-01	15 00	57-01	44-012
3	34-03	36-01	34-01	20 00	15 00	29 00	79-01	48-01
5	34-03	36-01	34-01	22 00	17 00	34 00	84-01	48-01
10	34-03	36-01	34-01	22 00	16 00	37 00	85-01	48-01
20	34-03	36-01	34-01	22 00	16 00	37 00	85-01	48-01
30	34-03	36-01	34-01	22 00	18 00	37 00	85-01	48-01
100	34-03	38-01	34-01	22 00	18 00	37 00	85-01	48-01
300	34-03	36-01	34-01	22 00	18 00	37 00	85-01	48-01

9	10	Сумма
13-04	60-05	20-04
17-04	80-05	28-04
19-04	91-05	32-04
22-04	11-04	41-04
25-04	13-04	53-04
27-04	16-04	63-34
37-04	27-04	11-03
50-04	52-04	20-03
54 05	71 04	13 10
28-04	14-04	43-04
11-04	51-05	16-04
16-04	72-05	24-04
18-04	82-05	28-04
20-04	97-05	34-04
23-04	11-04	43-04
25-04	13-04	50-04
32-04	20-04	85-04
43-04	35-04	15-03

9	10	Сумма
31-04	22-04	10-03
46-04	45-04	18-03
56-04	66-04	24-03
73-04	11-03	35-03
11-03	19-03	54-03
14-03	27-03	69-03
32-03	74-03	16-02
78-03	18-02	36-02
52 03	71 02	13 08
21-03	14-03	48-03
26-04	16-04	74-04
38-04	30-04	13-03
45-04	42-04	18-03
58-04	69-04	26-03
78-04	12-03	38-03
96-04	16-03	48-03
20-03	43-03	10-02
44-03	11-02	23-02

9	10	Сумма
67-04	92-04	31-03
12-03	22-03	62-03
16-03	34-03	87-03
27-03	60-03	14-02
46-03	11-02	23-02
66-03	15-02	32-32

17-02	33-02	75-02
33-02	56-02	15-01
69-02	93-01	14-07
89-03	45-03	17-02
52-04	57-04	24-03
87-04	13-03	45-03
12-03	20-03	61-03
18-03	35-03	95-03
29-03	63-03	15-02
38-03	88-03	20-02
10-02	23-02	49-02
23-02	46-02	10-01

9	10	Сумма
28-03	59-03	15-02
65-03	14-02	33-02
10-02	21-02	48-02
18-02	32-02	77-02
27-02	46-02	12-01
35-02	55-02	15-01
66-02	73-02	29-01
95-02	77-02	51-01
67-01	96-00	14-06
32-02	17-02	86-02
18-03	34-03	99-03
40-03	86-03	21-02
59-03	13-02	30-02
10-02	22-02	50-02
14-02	36-02	82-02
23-02	45-02	11-01
51-02	68-02	21-01
84-02	76-02	38-01

9	10	Сумма
13-02	25-02	63-02
28-02	46-02	13-01
39-02	57-02	17-11
57-02	68-02	25-01
77-02	75-02	36-01
88-02	76-02	44-01
11-01	76-02	78-01
11-01	76-05	13-30
94-00	14-00	20-05
11-01	60-02	40-01
80-03	16-02	41-02
19-02	36-02	88-02
27-02	47-02	15-01
42-02	61-02	18-01
63-02	71-02	26-01
75-02	74-02	33-01
10-01	76-02	59-01
11-01	76-02	10-00

9	10	Сумма
46-02	60-02	21-01
77-02	74-02	38-01
91-02	76-02	48-01
10-01	76-02	68-01
11-01	76-02	94-01
11-01	76-02	11 00
11-01	76-02	21 00
11-01	76-02	37 00
14 00	23-01	19 04
42-01	24-01	20 00
33-02	51-02	15-01
63-02	70-02	28-01
78-02	74-02	36-01
98-02	76-02	52-01
11-01	76-05	71-01
11-01	76-05	86-01
11-01	76-02	16 00
11-01	76-02	25 00

9	10	Сумма
90-02	76-02	49-01
11-01	76-02	83-01
11-01	76-02	11 00
11-01	76-02	15 00
11-01	76-02	22 00
11-01	76-02	27 00
11-01	76-02	50 00
11-01	76-02	77 00
29-01	54-02	32 03
14 00	83-01	78 00
77-02	74-02	37-01
10-01	76-02	62-01
11-01	76-02	79-01
11-01	76-02	11 00
11-01	76-02	16 00
11-01	76-02	20 00
11-01	76-02	38 00
11-01	76-02	85 00

9	10	Сумма
11-01	76-02	11 00
11-01	76-02	21 00
11-01	76-02	27 00
11-01	76-02	39 00
11-01	78-02	55 00
11-01	78-02	65 00
11-01	78-02	94 00
11-01	78-02	10 01
82-02	12-02	49 02
50 00	31 00	31 01
11-01	76-02	84-01
11-01	76-02	15 00

11-01	76-02	20 00
11-01	78-02	29 00
11-01	78-02	42 00
11-01	78-02	53 00
11-01	76-02	86 00
11-01	78-02	99 00

9	10	Сумма
11-01	76-02	27 00
11-01	76-02	48 00
11-01	76-02	61 00
11-01	76-02	80 00
11-01	76-02	95 00
11-01	76-02	99 00
11-01	76-02	10 01
11-01	76-02	10 01
15-02	34-03	92 01
16 01	10 01	10 02
11-01	76-02	19 00
11-01	76-02	36 00
11-01	76-02	49 00
11-01	76-02	68 00
11-01	76-02	87 00
11-01	76-02	94 00
11-01	76-02	10 01
11-01	76-02	10 01

9	10	Сумма
11-01	76-02	67 00
11-01	76-02	94 00
11-01	76-02	96 00
11-01	76-02	10 01
11-01	76-02	10 01
11-01	78-02	10 01
11-01	76-02	10 01
11-01	78-02	10 01
34-03	82-04	14 01
56 01	35 01	38 02
11-01	76-02	54 00
11-01	76-02	86 00
11-01	76-02	95 00
11-01	76-02	99 00
11-01	76-02	10 01
11-01	76-02	10 01
11-01	76-02	10 01
11-01	76-02	10 01

