

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=18000 K

P=0,001 атм

	1	2	3	4	5	6	7
1	24-09	10-08	91-09	18-07	55-08	17-08	14-07
3	71-09	30-08	27-08	54-07	16-07	50-08	42-07
5	12-08	51-08	45-08	91-07	27-07	83-08	71-07
10	24-08	10-07	91-08	18-06	55-07	17-07	14-06
20	47-08	20-07	18-07	36-06	11-06	33-07	28-06
30	71-08	30-07	27-07	54-06	16-06	50-07	42-06
100	24-07	10-06	91-06	18-05	55-06	17-06	14-05
300	71-07	30-06	27-06	54-05	16-05	50-06	40-05
A	11 03	46 06	13 07	41 08	98 08	42 09	12 09
B	12-09	51-09	46-09	91-08	27-08	83-09	71-08
1	12-09	51-09	45-09	91-08	27-08	83-09	71-06
3	35-09	15-08	14-08	27-07	82-08	25-08	21-07
5	59-09	25-08	23-08	43-07	14-07	42-08	35-07
10	12-08	51-08	45-08	91-07	27-07	83-08	71-07
20	24-08	10-07	91-08	18-06	55-07	17-07	14-06
30	35-08	15-07	14-07	27-06	82-07	26-07	21-06
100	12-07	51-07	45-07	91-06	27-06	83-07	71-06
300	35-07	15-06	14-06	27-05	82-06	25-06	21-05

P=0,01 атм

	1	2	3	4	5	6	7
1	20-07	80-07	92-07	26-06	73-07	31-07	16-05
3	59-07	27-06	28-06	78-06	22-06	92-07	47-05
5	99-07	45-06	46-06	13-05	37-06	15-06	58-05
10	20-06	90-06	92-06	26-05	73-06	31-06	14-04
20	39-06	18-05	18-05	52-05	15-05	61-06	24-04
30	58-06	27-05	28-05	78-05	22-05	92-06	32-04
100	19-05	90-05	62-05	26-04	73-05	31-05	66-04
300	52-05	27-04	24-04	78-04	22-34	92-05	10-03
A	13 01	58 04	18-05	69 06	22 07	14 08	81 07
B	99-08	45-07	46-07	13-06	37-07	15-07	79-06
1	99-08	45-07	46-07	13-06	37-07	15-07	79-06
3	30-07	14-06	14-06	39-06	11-06	46-07	24-05
5	50-07	22-06	23-06	65-06	18-06	77-07	39-05
10	99-07	45-06	46-06	13-05	37-06	15-06	75-05
20	20-06	90-06	92-06	26-05	73-06	31-06	14-04
30	30-06	14-05	14-05	39-05	11-05	46-06	20-04
100	98-06	45-05	46-05	13-04	37-05	15-05	49-04
300	28-05	14-04	14-04	39-04	11-04	49-05	86-04

P=0,03 атм

	1	2	3	4	5	6	7
1	17-06	80-06	82-06	11-05	28-06	17-06	10-04
3	51-06	24-05	25-05	33-05	83-06	50-06	28-04
5	85-06	40-05	41-05	54-05	14-05	83-06	36-04
10	16-05	60-05	82-05	11-04	26-05	17-06	56-04
20	32-05	16-04	16-04	22-04	55-05	33-06	80-04
30	46-05	24-04	25-04	33-04	83-05	50-06	99-04

100	13-04	79-04	66-04	11-03	28-04	17-04	14-03
300	32-04	23-03	17-03	32-03	83-04	50-04	19-03
A	14 00	65 03	20 04	82 05	28 06	20 07	10 07
B	87-07	40-06	41-06	54-06	14-06	83-07	71-05
1	67-07	40-06	41-06	54-06	14-06	83-07	71-05
3	26-06	12-05	12-05	16-05	41-06	25-06	19-04
5	43-06	20-05	20-05	24-05	69-06	42-06	29-04
10	86-06	40-05	41-05	54-05	14-05	83-03	47-04
20	17-05	80-05	82-05	11-04	28-05	17-05	69-04
30	25-05	12-04	12-04	16-04	41-05	25-05	83-04
100	77-05	40-04	38-04	54-04	14-04	83-05	14-03
300	20-04	12-03	10-03	16-03	41-04	26-04	18-03

P=0,1 атм

	1	2	3	4	5	6	7
1	18-05	86-05	88-05	70-05	15-05	14-05	63-04
3	50-05	26-04	27-04	21-04	46-05	42-05	10-03
5	79-05	43-04	45-04	35-04	76-05	69-05	13-03
10	14-04	86-04	83-04	70-04	15-04	14-04	17-03
20	25-04	17-03	14-03	14-03	31-04	28-04	22-03
30	34-04	25-03	20-03	21-03	46-04	42-04	25-03
100	76-04	80-03	55-03	68-03	15-03	14-03	43-03
300	13-03	21-02	14-02	20-02	45-03	42-03	75-03
A	13-01	59 02	18 03	76 04	27 05	21 06	11 06
B	94-06	43-05	45-05	35-05	76-06	69-06	78-04
1	93-06	43-05	45-05	35-05	76-06	69-06	56-04
3	27-05	13-04	13-04	10-04	23-05	21-05	13-03
5	44-05	22-04	22-04	17-04	38-05	35-05	13-03
10	83-05	43-04	44-04	35-04	76-05	69-05	16-03
20	15-04	66-04	82-04	70-04	15-04	14-04	21-03
30	22-04	13-03	12-03	10-03	23-04	21-04	24-03
100	55-04	42-03	32-03	35-03	78-04	69-04	36-03
300	10-03	12-02	82-03	10-02	23-03	21-03	57-03

P=0,3 атм

	1	2	3	4	5	6	7
1	13-04	74-04	76-04	48-04	95-05	11-04	21-03
3	30-04	22-03	21-03	14-03	28-04	33-04	35-03
5	44-04	36-03	36-03	24-03	47-04	55-04	44-03
10	69-04	69-03	66-03	48-03	95-04	11-03	62-03
20	10-03	13-02	11-02	95-03	19-03	22-03	89-03
30	13-03	19-02	14-02	14-02	28-03	33-03	11-02
100	16-03	49-02	35-02	44-02	94-03	11-02	21-02
300	16-03	97-02	72-02	12-01	28-02	33-02	46-02
A	16-02	67 01	20 02	87 03	32 04	26 05	12 05
B	81-05	37-04	39-04	24-04	47-05	55-05	68-03
1	72-05	37-04	38-04	24-04	47-05	55-05	20-03
3	19-04	11-03	10-03	72-04	14-04	16-04	30-03
5	29-04	18-03	16-03	12-03	24-04	27-04	36-03
10	49-04	36-03	30-03	24-03	47-04	55-04	48-03
20	78-04	72-03	55-03	47-03	95-04	11-03	66-03
30	98-04	10-02	79-03	70-03	14-03	16-03	80-03
100	15-03	31-02	22-02	23-02	47-03	55-03	15-02
300	16-03	72-02	51-02	66-02	14-02	16-02	37-02

P=1 атм

	1	2	3	4	5	6	7
1	69-04	89-03	74-03	43-03	81-04	11-03	11-02
3	12-03	18-02	18-02	13-02	24-03	32-03	19-02
5	14-03	28-02	25-02	21-02	40-03	54-03	25-02
10	16-03	48-02	41-02	42-02	80-03	11-02	41-02
20	16-03	77-02	63-02	76-02	16-02	21-02	52-02
30	16-03	97-02	80-02	11-01	24-02	32-02	65-02
100	16-03	16-01	14-01	30-01	76-02	10-01	11-01
300	16-03	18-01	18-01	64-01	20-01	30-01	21-01
A	16-03	63 00	18 01	65 02	32 03	25 04	96 03
B	80-04	37-03	38-03	22-03	40-04	54-04	68-02
1	49-04	36-03	34-03	22-03	40-04	54-04	79-03
3	98-04	10-02	88-03	65-03	12-03	16-03	14-02
5	12-03	17-02	14-02	10-02	20-03	27-03	18-02
10	15-03	31-02	24-02	21-02	40-03	54-03	35-02
20	16-03	54-02	41-02	41-02	81-03	11-02	42-02
30	16-03	72-02	55-02	60-02	12-02	16-02	48-02
100	16-03	14-01	11-01	18-01	40-32	54-02	86-02
300	16-03	18-01	16-01	45-01	12-01	16-01	15-01

P=3 атм

	1	2	3	4	5	6	7
1	15-03	38-02	38-02	28-02	54-03	79-03	48-02
3	16-03	81-02	72-02	82-02	16-02	24-02	80-02
5	16-03	11-01	98-02	12-01	27-02	39-02	95-02
10	16-03	14-01	13-01	22-01	52-02	77-02	13-01
20	16-03	17-01	13-01	38-01	10-01	15-01	19-01
30	16-03	18-01	18-01	51-01	14-01	22-01	23-01
100	16-03	18-01	19-01	96-01	39-01	65-01	45-01
300	16-03	18-01	19-01	13 00	80-01	15 00	77-01
A	22-04	81-01	21 00	11 02	45 02	34 03	11 03
B	57-03	26-02	27-02	15-02	27-03	39-03	49-01
1	14-03	23-02	20-02	14-02	27-03	39-03	40-02
3	16-03	57-02	47-02	42-02	82-03	12-02	67-02
5	16-03	82-02	67-02	68-02	14-02	20-02	76-02
10	16-03	12-01	10-01	13-01	27-02	39-02	98-02
20	16-03	15-01	13-01	24-01	53-02	76-02	14-01
30	16-03	17-01	15-01	34-01	79-02	12-01	17-01
100	16-03	18-01	18-01	78-01	24-01	37-01	33-01
300	16-03	18-01	19-01	12 00	60-01	10 00	60-01

P=10 атм

	1	2	3	4	5	6	7
1	16-03	13-01	12-01	17-01	47-02	84-02	16-01
3	16-03	17-01	17-01	40-01	13-01	24-01	29-01
5	16-03	18-01	18-01	57-01	21-01	39-01	38-01
10	16-03	18-01	19-01	85-01	36-01	70-01	53-01
20	16-03	18-01	19-01	11 00	59-01	12 00	73-01
30	16-03	18-01	19-01	13 00	76-01	16 00	88-01
100	16-03	18-01	19-01	14 00	12 00	31 00	12 00
300	16-03	18-01	19-01	14 00	13 00	38 00	13 00
A	32-05	10-01	24-01	14 01	46 01	31 02	85 01
B	39-02	18-01	18-01	10-01	24-05	43-02	35 00
1	16-03	10-01	89-02	95-02	24-02	43-02	12-01
3	16-03	16-01	15-01	26-01	71-02	13-01	22-01

5	16-03	17-01	16-01	39-01	12-01	21-01	28-01
10	16-03	18-01	18-01	65-01	22-01	41-01	40-01
20	16-03	18-01	19-01	96-01	41-01	77-01	57-01
30	16-03	18-01	19-01	11 00	56-01	11 00	70-01
100	16-03	18-01	19-01	14 00	11 00	25 00	11 00
300	16-03	18-01	19-01	14 00	13 00	36 00	13 00

P=30 атм

	1	2	3	4	5	6	7
1	16-03	18-01	18-01	58-01	25-01	52-01	48-01
3	16-03	18-01	19-01	10 00	57-01	13 00	78-01
5	16-03	18-01	19-01	12 00	78-01	18 00	94-01
10	16-03	18-01	19-01	14 00	11 00	26 00	11 00
20	16-03	18-01	19-01	14 00	13 00	34 00	13 00
30	16-03	18-01	19-01	14 00	13 00	37 00	13 00
100	16-03	18-01	19-01	14 00	13 00	36 00	13 00
300	16-03	18-01	19-01	14 00	13 00	36 00	13 00
A	69-06	20-02	35-02	26 00	77 00	44 01	12 01
B	18-01	81-01	80-01	51-01	15-01	31-01	17 01
1	16-03	17-01	17-01	40-01	14-01	29-01	37-01
3	16-03	16-01	19-01	84-01	38-01	81-01	63-01
5	16-03	18-01	19-01	11 00	58-01	12 00	79-01
10	16-03	18-01	19-01	13 00	90-01	21 00	10 00
20	16-03	18-01	19-01	14 00	12 00	30 00	12 00
30	16-03	18-01	19-01	14 00	13 00	34 00	13 00
100	16-03	18-01	19-01	14 00	13 00	38 00	13 00
300	16-03	18-01	19-01	14 00	13 00	36 00	13 00

P=100 атм

	1	2	3	4	5	6	7
1	16-03	18-01	19-01	13 00	94-01	24 00	11 00
3	16-03	18-01	19-01	14 00	13 00	36 00	13 00
5	16-03	18-01	19-01	14 00	13 00	36 00	13 00
10	16-03	18-01	19-01	14 00	13 00	38 00	13 00
20	16-03	18-01	19-01	14 00	13 00	38 00	13 00
30	16-03	18-01	19-01	14 00	13 00	38 00	13 00
100	16-03	18-01	19-01	14 00	13 00	38 00	13 00
300	16-03	18-01	19-01	14 00	13 00	38 00	13 00
A	15-06	41-03	69-03	45-01	11 00	55 00	13 00
B	82-01	36 00	31 00	26 00	11 30	25 00	70 01
1	16-03	18-01	19-01	1100	73-01	18 00	99-01
3	16-03	18-01	19-01	14 00	12 00	32 00	12 00
5	16-03	18-01	19-01	14 00	13 00	36 00	13 00
10	16-03	18-01	19-01	14 00	13 00	38 00	13 00
20	16-03	18-01	19-01	14 00	13 00	38 00	13 00
30	16-03	18-01	19-01	14 00	13 00	38 00	13 00
100	16-03	18-01	19-01	14 00	13 00	38 00	13 00
300	16-03	18-01	19-01	14 00	13 00	38 00	13 00

8	9	10	Сумма
48-07	35-04	40-04	75-04
14-06	50-04	66-04	12-03
24-06	56-04	80-04	14-03
48-06	62-04	10-03	17-03
96-06	68-04	12-03	19-03
14-05	72-04	13-03	20-03
46-05	83-04	16-03	25-03
13-04	94-04	18-03	30-03
79 08	26 67	64 06	77 09
24-07	52-04	52-04	10-03
24-07	28-04	30-04	58-04
72-07	44-04	53-04	98-04
12-06	52-04	66-04	12-03
24-06	59-04	85-04	14-03
48-06	66-04	10-03	17-03
72-06	70-04	12-03	19-03
24-05	80-04	15-03	24-03
69-05	90-04	16-03	28-03

8	9	10	Сумма
54-05	65-04	71-04	14-03
14-04	75-04	10-03	20-03
22-04	85-04	12-03	24-03
37-04	97-04	16-03	31-03
64-04	11-03	19-03	40-03
84-04	13-03	22-03	48-03
16-03	19-03	39-03	86-03
28-03	30-03	77-03	16-02
39 07	22 05	58 04	27 06
27-05	62-04	51-03	11-02
27-05	62-04	61-04	13-03
77-05	74-04	86-04	17-03
12-04	80-04	10-03	20-03
23-04	89-04	13-03	25-03
41-04	10-03	16-03	32-03
56-04	11-03	18-03	37-03
12-03	16-03	29-03	64-03
22-03	24-03	51-03	11-02

8	9	10	Сумма
34-04	84-04	99-04	23-03
75-04	11-03	16-03	39-03
10-03	13-03	21-03	50-03
16-03	17-03	32-03	74-03
22-03	23-03	48-03	11-02
28-03	29-03	63-03	14-02

49-03	56-03	16-02	31-02
82-03	12-02	38-05	69-02
66 06	29 04	72 03	40 07
24-04	19-02	15-02	35-02
21-04	79-04	81-04	16-03
52-04	10-03	12-03	30-03
74-04	11-03	15-03	36-03
12-03	14-03	22-03	54-03
18-03	15-03	32-03	73-03
22-03	22-03	42-03	99-03
42-03	40-03	96-03	21-02
69-03	80-03	22-02	44-02

8	9	10	Сумма
18-03	17-03	29-03	72-03
32-03	30-03	64-03	15-02
41-03	42-03	97-03	21-02
59-03	65-03	17-02	34-02
88-03	11-02	30-02	58-02
11-02	15-02	42-02	75-02
22-02	39-02	11-01	20-01
48-02	81-02	21-01	41-01
60 05	24 03	63 02	42 06
27-03	64-02	52-02	12-01
13-03	14-03	19-03	54-03
26-03	23-03	40-03	10-02
35-03	30-03	58-03	14-02
51-03	44-03	10-02	22-02
72-03	68-03	18-02	33-02
86-03	90-03	25-02	49-02
16-02	22-02	67-02	12-01
30-02	51-02	15-01	28-01

8	9	10	Сумма
78-03	64-03	16-02	34-02
14-02	15-02	40-02	78-02
18-02	22-02	60-02	12-01
28-02	37-02	10-01	19-01
44-02	60-02	16-01	31-01
56-02	60-02	20-01	40-01
12-01	16-01	32-01	78-01
19-01	26-01	37-01	12 00
56 04	24 02	69 01	47 05
23-02	19-01	16-01	38-01
57-03	43-03	89-03	22-02
10-02	88-03	22-02	43-02
13-02	13-02	35-02	70-02
19-02	22-02	62-02	12-01
29-02	37-02	11-01	20-01
37-02	52-02	14-01	27-01
78-02	12-01	28-01	58-01
14-01	23-01	36-01	98-01

8	9	10	Сумма
44-02	42-02	10-01	22-01
82-02	87-02	20-01	45-01
11-01	12-01	26-01	60-01
18-01	18-01	32-01	85-01
22-01	24-01	36-01	11 00
26-01	28-01	37-01	13 00
39-01	34-01	37-01	20 00
51-01	35-01	37-01	29 00
36 01	21 01	65 00	42 04
23-01	67-01	57-01	16 00
29-02	25-02	65-02	14-01
57-02	57-02	15-01	31-01
74-02	82-02	21-01	43-01
11-01	14-01	28-01	65-01
16-01	24-01	34-01	90-01
21-01	21-01	36-01	11 00
34-01	32-01	37-01	16 00
45-01	34-01	37-01	24 00

8	9	10	Сумма
18-01	16-01	30-01	80-01
28-01	26-01	36-01	13 00
34-01	30-01	37-01	15 00
42-01	33-01	37-01	19 00
51-01	34-01	37-01	24 00
68-01	35-01	37-01	27 00
71-01	35-01	37-01	43 00
88-01	35-01	37-01	64 00
32 02	25 00	84-01	54 03
17 00	22 00	19 00	63 00
12-01	12-01	25-01	60-01
23-01	22-01	35-01	10 00
28-01	58-01	36-01	12 00
36-01	31-01	37-01	16 00
45-01	34-01	37-01	20 00
50-01	34-01	37-01	22 00
64-01	35-01	37-01	34 00
81-01	35-01	37-01	53 00

8	9	10	Сумма
47-01	33-01	37-01	19 00
61-01	35-01	37-01	27 00
66-01	35-01	37-01	33 00
77-01	35-01	37-01	43 00
88-01	35-01	37-01	55 00
94-01	35-01	37-01	65 00
10 00	35-01	37-01	91 00
10 00	35-01	37-01	10 01
22 01	28-01	11-01	46 02
12 01	81 00	79 00	32 01
40-01	31-01	37-01	10 00
55-01	34-01	37-01	22 00

61-01	34-01	37-01	27 00
70-01	35-01	37-01	35 00
81-01	35-01	37-01	46 00
87-01	35-01	37-01	54 00
10 00	35-01	37-01	65 00
10 00	35-01	37-01	98 00

8	9	10	Сумма
74-01	35-01	37-01	37 00
90-01	35-01	37-01	58 00
96-01	35-01	37-01	68 00
10 00	35-01	37-01	64 00
10 00	35-01	37-01	98 00
10 00	35-01	37-01	99 00
10 00	35-01	37-01	10 01
10 00	35-01	37-01	10 01
20 00	52-02	22-02	69 01
56 01	27 01	27 01	13 02
68-01	35-01	37-01	29 00
84-01	35-01	37-01	48 00
91-01	35-01	37-01	57 00
95-01	35-01	37-01	74 00
10 00	35-01	37-01	85 00
10 00	35-01	37-01	98 00
10 00	35-01	37-01	10 01
10 00	35-01	37-01	10 01

8	9	10	Сумма
10 00	35-01	37-01	78 00
10 00	35-01	37-01	97 00
10 00	35-01	37-01	10 01
10 00	35-01	37-01	99 00
10 00	35-01	37-01	10 01
10 00	35-01	37-01	10 01
10 00	35-01	37-01	10 01
10 00	35-01	37-01	10 01
28-01	82-03	44-03	86 00
23 02	86 01	11 02	50 02
99-01	35-01	37-01	67 00
10 00	35-01	37-01	92 00
10 00	35-01	37-01	97 00
10 00	33-01	37-01	99 00
10 00	35-01	37-01	10 01
10 00	35-01	37-01	10 01
10 00	35-01	37-01	10 01
10 00	35-01	37-01	10 01

