

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=7000 K

P=0,001 атм

	1	2	3	4	5	6	7	8
1	12-09	17-08	92-08	18-08	19-08	20-09	40-08	20-06
3	35-09	52-08	28-07	56-08	56-08	60-09	74-06	29-06
5	59-09	87-08	46-07	93-08	93-08	10-08	93-06	35-06
10	12-08	17-07	92-07	19-07	19-07	20-08	12-05	44-06
20	24-08	35-07	18-06	38-07	37-07	40-08	15-05	55-06
30	35-08	53-07	28-06	57-07	56-07	60-08	17-05	62-06
100	12-07	18-06	92-06	19-06	19-06	20-07	20-05	85-06
300	35-07	53-06	28-05	57-06	56-06	60-07	24-05	11-05
A	50 05	72 08	11 09	72 09	21 09	25 09	19 07	82 05
B	59-10	91-09	46 08	97-09	93-09	10-09	42-06	16-05
1	59-10	91-09	46-08	97-09	93-09	10-09	28-06	16-06
3	18-09	27-08	14-07	29-08	28-08	31-09	56-06	24-06
5	30-09	46-08	23-07	48-08	46-08	51-09	73-06	29-06
10	89-09	91-08	46-07	97-08	93-08	10-08	10-05	37-06
20	12-08	18-07	93-07	19-07	19-07	20-08	14-05	47-06
30	18-08	27-07	14-06	29-07	28-07	31-08	15-05	54-06
100	89-08	91-07	46-06	97-07	93-07	10-07	20-05	77-06
300	18-07	27-06	14-05	29-06	28-06	31-07	23-05	10-05

P=0,01 атм

	1	2	3	4	5	6	7	8
1	14-08	21-07	98-07	40-07	61-07	17-07	12-05	45-06
3	42-08	64-07	29-06	12-06	18-06	52-07	17-05	67-06
5	70-08	11-06	49-06	20-06	30-06	87-07	18-05	78-06
10	14-07	21-06	98-06	40-06	61-06	17-06	21-05	96-06
20	28-07	43-06	20-05	80-06	12-05	35-06	23-05	12-05
30	42-07	64-06	29-05	12-05	18-05	52-06	25-05	14-05
100	14-06	21-05	95-06	40-05	81-05	17-05	31-05	24-05
300	42-06	64-05	25-04	12-04	18-04	52-05	43-05	46-05
A	42 04	51 07	57 07	29 08	75 07	54 07	25 05	63 03
B	70-09	11-07	50-07	20-07	31-07	87-08	42-05	16-04
1	70-09	11-07	50-07	20-07	30-07	87-08	10-05	39-06
3	21-08	34-07	15-06	62-07	92-07	26-07	16-05	57-06
5	35-08	57-07	25-06	10-06	15-06	43-07	18-05	68-06
10	70-08	11-06	50-06	20-06	30-06	87-07	20-05	85-06
20	14-07	23-06	10-05	41-06	61-06	17-06	22-05	10-05
30	21-07	34-06	15-05	62-06	92-06	26-06	23-05	12-05
100	70-07	11-05	49-05	20-05	30-05	87-06	29-05	18-05
300	21-06	34-05	14-04	82-05	92-05	26-05	36-05	31-05

P=0,03 атм

	1	2	3	4	5	6	7	8
1	50-08	75-07	31-06	20-06	32-06	15-06	17-06	73-06
3	15-07	22-06	94-06	59-06	96-06	46-06	21-05	11-05
5	25-07	38-06	16-05	98-06	16-05	76-06	24-05	13-05
10	80-07	75-06	31-05	20-05	32-05	15-05	28-05	18-05
20	99-07	15-05	62-05	39-05	64-05	30-05	34-05	27-05
30	15-06	22-05	19-05	59-05	96-05	46-05	39-05	35-05

100	50-06	75-05	29-04	20-04	32-04	15-04	70-05	74-05
300	15-05	22-04	73-04	59-04	96-04	46-04	15-04	16-04
A	12 04	14 07	13 07	58 07	14 07	84 06	30 04	72 02
B	25-08	41-07	16-06	99-07	16-06	76-07	12-04	47-04
1	25-08	41-07	16-06	99-07	16-06	76-07	16-05	62-06
3	74-08	12-06	48-06	30-06	48-06	23-06	20-05	91-06
5	12-07	20-06	80-06	49-06	80-06	38-06	22-05	11-05
10	25-07	41-06	16-05	99-06	18-05	76-06	25-05	14-05
20	50-07	82-06	32-05	20-05	32-05	15-05	30-05	20-05
30	74-07	12-05	48-05	30-05	48-05	23-05	33-05	24-05
100	25-06	41-05	16-04	99-05	16-04	78-08	52-05	48-05
300	74-06	12-04	44-04	30-04	48-04	23-04	97-05	10-04

P=0,1 атм

	1	2	3	4	5	6	7	8
1	22-07	33-06	12-05	11-05	18-05	16-05	25-05	16-05
3	66-07	98-06	35-05	34-05	58-05	48-05	38-05	31-05
5	11-06	16-05	58-05	57-05	93-05	81-05	46-05	42-05
10	22-06	33-05	12-04	11-04	18-04	16-04	69-05	86-05
20	44-06	68-05	23-04	23-04	37-04	32-04	11-04	11-04
30	66-06	98-05	31-04	34-04	58-04	48-04	18-04	15-04
100	22-05	33-04	88-04	11-03	18-03	16-03	43-04	35-04
300	66-05	98-04	22-03	34-03	55-03	48-03	12-03	73-04
A	28 03	28 06	22 06	92 06	21 06	11 06	28 03	70 01
B	11-07	18-06	59-06	57-06	93-06	81-06	40-04	15-03
1	11-07	18-06	59-06	57-06	93-06	81-06	22-05	12-05
3	33-07	54-06	18-05	17-05	28-05	24-05	30-05	21-05
5	55-07	90-06	30-05	29-05	46-05	40-05	36-05	29-05
10	11-06	18-05	59-05	57-05	93-05	81-05	50-05	43-05
20	22-06	36-05	12-04	11-04	18-04	16-04	75-05	72-05
30	33-06	54-05	18-04	17-04	26-04	24-04	97-05	94-05
100	11-05	18-04	56-04	57-04	93-04	81-04	24-04	22-04
300	33-05	54-04	14-03	17-03	28-03	24-03	63-04	49-04

P=0,3 атм

	1	2	3	4	5	6	7	8
1	10-06	13-05	39-05	55-05	83-05	13-04	58-05	49-05
3	31-06	40-05	12-04	17-04	25-04	40-04	13-04	11-04
5	51-06	67-05	19-04	28-04	41-04	67-04	19-04	16-04
10	10-05	13-04	39-04	55-04	83-04	13-03	35-04	27-04
20	20-05	27-04	70-04	11-03	16-03	27-03	65-04	45-04
30	31-05	40-04	10-03	17-03	25-03	40-03	94-04	59-04
100	10-04	13-03	29-03	55-03	82-03	13-02	28-03	12-03
300	30-04	40-03	73-03	16-02	24-02	36-02	67-03	19-03
A	60 02	59 05	39 05	16 06	33 05	14 05	30 02	94 00
B	52-07	71-06	20-05	28-05	42-05	67-05	10-03	40-03
1	52-07	71-06	20-05	28-05	41-05	67-05	42-05	33-05
3	15-06	21-05	60-05	83-05	12-04	20-04	81-05	71-05
5	26-06	36-05	10-04	14-04	21-04	34-04	12-04	10-04
10	52-06	71-05	20-04	28-04	41-04	67-04	20-04	17-04
20	10-05	14-04	40-04	55-04	83-04	13-03	36-04	28-04
30	15-05	21-04	59-04	83-04	12-03	20-03	52-04	38-04
100	51-05	71-04	18-03	28-03	41-03	66-03	15-03	87-04
300	15-04	21-03	45-03	83-03	12-02	19-02	42-03	16-03

P=1 атм

	1	2	3	4	5	6	7	8
1	72-06	66-05	16-04	30-04	39-04	12-03	31-04	20-04
3	22-05	20-04	46-04	98-04	12-03	37-03	84-04	45-04
5	36-05	33-04	73-04	15-03	20-03	62-03	13-03	64-04
10	72-05	66-04	14-03	30-03	39-03	12-02	24-03	98-04
20	14-04	13-03	23-03	61-03	78-03	23-02	44-03	14-03
30	21-04	20-03	40-03	91-03	12-02	34-02	60-03	17-03
100	66-04	66-03	12-02	30-02	38-02	95-02	13-02	24-03
300	18-03	20-02	31-02	89-02	11-01	20-01	18-02	28-03
A	87 01	89 04	53 04	21 05	40 04	12 04	24 01	11 00
B	36-06	34-05	79-05	15-04	20-04	63-04	28-03	11-02
1	36-06	34-05	79-05	15-04	20-04	63-04	18-04	12-04
3	11-05	10-04	24-04	46-04	59-04	19-03	46-04	29-04
5	18-05	17-04	39-04	76-04	98-04	31-03	72-04	42-04
10	36-05	34-04	78-04	15-03	26-03	62-03	14-03	69-04
20	72-05	67-04	15-03	30-03	39-03	12-02	26-03	11-03
30	11-04	10-03	22-03	46-03	59-03	18-02	37-03	13-03
100	35-04	34-03	65-03	15-02	20-02	57-02	98-03	22-03
300	10-03	10-02	17-02	46-02	58-02	14-01	17-02	28-03

P=3 атм

	1	2	3	4	5	6	7	8
1	50-05	30-04	56-04	15-03	17-03	84-03	17-03	62-04
3	15-04	90-04	17-03	45-03	52-03	24-02	43-03	12-03
5	24-04	15-03	26-03	74-03	86-03	38-02	64-03	15-03
10	47-04	30-03	50-03	15-02	17-02	69-02	10-02	20-03
20	90-04	60-03	99-03	30-02	34-02	12-01	14-02	25-03
30	13-03	90-03	15-02	44-02	50-02	16-01	16-02	26-03
100	36-03	29-02	46-02	14-01	15-01	33-01	21-02	30-03
300	80-03	85-02	12-01	40-01	38-01	54-01	23-02	31-03
A	13 01	23 04	19 04	40 04	57 03	13 03	30 00	20-01
B	25-05	16-04	28-04	75-04	87-04	43-03	65-03	24-02
1	25-05	16-04	28-04	75-04	87-04	43-03	92-04	41-04
3	75-05	47-04	85-04	22-03	26-03	13-02	25-03	88-04
5	12-04	78-04	14-03	37-03	43-03	21-02	40-03	12-03
10	25-04	16-03	27-03	75-03	87-03	40-02	72-03	17-03
20	48-04	31-03	52-03	15-02	17-02	75-02	12-02	22-03
30	71-04	47-03	76-03	22-02	26-02	10-01	14-02	25-03
100	21-03	16-02	23-02	74-02	84-02	25-01	21-02	30-03
300	54-03	46-02	65-02	22-01	23-01	45-01	23-02	31-03

P=10 атм

	1	2	3	4	5	6	7	8
1	41-04	18-03	24-03	90-03	99-03	54-02	82-03	15-03
3	11-03	55-03	72-03	27-02	29-02	13-01	15-02	24-03
5	18-03	92-03	12-02	45-02	48-02	19-01	18-02	26-03
10	32-03	16-02	25-02	88-02	92-02	29-01	21-02	29-03
20	54-03	36-02	44-02	17-01	17-01	41-01	22-02	30-03
30	73-03	53-02	64-02	25-01	24-01	49-01	23-02	31-03
100	15-02	16-01	18-01	74-01	59-01	70-01	23-02	31-03
300	22-02	42-01	43-01	17 00	10-00	80-01	23-02	31-03
A	15 00	26 03	23 03	76 03	20 03	30 02	36-01	36-02
B	22-04	98-04	12-03	45-03	50-03	32-02	13-02	58-02
1	21-04	98-04	12-03	45-03	50-03	30-02	54-03	12-03
3	62-04	29-03	36-03	14-02	15-02	83-02	12-02	20-03

5	10-03	49-03	60-03	22-02	24-02	13-01	16-02	24-03
10	19-03	98-03	12-02	45-02	49-02	21-01	20-02	29-03
20	34-03	19-02	23-02	89-02	95-02	32-01	22-02	30-03
30	48-03	29-02	34-02	13-01	14-01	40-01	23-02	31-03
100	11-02	94-02	10-01	42-01	40-01	66-01	23-02	31-03
300	20-02	26-01	27-01	11 00	86-01	80-01	23-02	31-03

P=30 атм

	1	2	3	4	5	6	7	8
1	24-03	10-02	10-02	47-02	49-02	20-01	18-02	23-02
3	56-03	31-02	30-02	14-01	14-01	36-01	22-02	30-03
5	81-03	50-02	49-02	22-01	21-01	48-01	23-02	31-03
10	12-02	97-02	97-02	43-01	37-01	61-01	23-02	31-03
20	17-02	18-01	17-01	78-01	60-01	71-01	23-02	31-03
30	20-02	26-01	24-01	11 00	75-01	76-01	23-02	31-03
100	25-02	66-01	57-01	25 00	12 00	84-01	23-02	31-03
300	25-02	12 00	10 00	39 00	14 00	85-01	23-02	31-03
A	21-01	35 02	25 02	84 02	13 02	18 01	64-02	81-03
B	15-03	56-03	52-03	24-02	26-02	19-01	56-02	13-01
1	14-03	66-03	51-03	24-02	25-02	14-01	16-02	23-03
3	36-03	17-02	15-02	71-02	74-02	29-01	22-02	30-03
5	54-03	28-02	25-02	12-01	12-01	39-01	23-02	31-03
10	90-03	55-02	49-02	23-01	23-01	54-01	23-02	31-03
20	14-02	11-01	94-02	45-01	41-01	68-01	23-02	31-03
30	17-02	16-01	14-01	66-01	56-01	74-01	23-02	31-03
100	24-02	46-01	39-01	18 00	11 00	84-01	23-02	31-03
300	25-02	10 00	83-01	35 00	14 00	35-01	23-02	31-03

P=100 атм

	1	2	3	4	5	6	7	8
1	11-02	69-02	48-02	26-01	25-01	53-01	23-02	31-03
3	19-02	19-01	13-01	70-01	58-01	72-01	23-02	31-03
5	22-02	29-01	21-01	11 00	78-01	78-01	23-02	31-03
10	25-02	30-01	38-01	18 00	10 00	83-01	23-02	31-03
20	25-02	80-01	60-01	28 00	12 00	85-01	23-02	31-03
30	25-02	10 00	76-01	33 00	13 00	85-01	23-02	31-03
100	25-02	16 00	11 00	44 00	14 00	85-01	23-02	31-03
300	25-02	18 00	13 00	45 00	14 00	85-01	23-02	31-03
A	27-02	44 01	44 01	14 02	21 03	28 00	96-03	14-03
B	12-02	39-02	26-02	16-01	16-01	12 00	26-01	33-01
1	76-03	39-02	26-02	15-01	15-01	45-01	23-02	31-03
3	15-02	11-01	76-02	42-01	39-01	68-01	23-02	31-03
5	19-02	18-01	12-01	68-01	58-01	77-01	23-02	31-03
10	23-02	34-01	23-01	12 00	90-01	85-01	23-02	31-03
20	25-02	69-01	42-01	21 00	12 00	85-01	23-02	31-03
30	25-02	79-01	57-01	28 00	13 00	85-01	23-02	31-03
100	25-02	15 00	11 00	43 00	14 00	85-01	23-02	31-03
300	25-02	18 00	13 00	45 00	14 00	85-01	23-02	31-03

9	10	Сумма
34-07	10-07	66-06
51-07	21-07	11-05
63-07	30-07	14-05
85-07	49-07	20-05
12-06	82-07	26-05
14-06	11-06	30-05
28-06	27-06	50-05
62-06	54-06	92-05
18 01	23-01	14 10
23-06	14-07	22-05
29-07	72-08	48-06
42-07	14-07	88-06
51-07	20-07	11-05
67-07	32-07	16-05
90-07	52-07	21-05
11-06	71-07	25-05
20-06	18-06	39-05
40-06	38-06	64-05

9	10	Сумма
85-07	55-07	21-05
15-06	13-06	34-05
21-05	19-06	45-05
33-06	31-06	61-05
55-06	49-06	94-05
75-06	62-06	12-04
18-05	12-05	32-04
39-05	17-05	82-04
13 00	17-02	53 08
23-05	14-06	23-04
66-07	35-07	16-05
12-06	79-07	27-05
16-06	12-06	33-05
23-06	20-06	45-05
37-06	33-06	64-05
49-06	44-06	81-05
12-05	92-06	19-04
26-05	15-05	47-04

9	10	Сумма
18-06	15-06	38-05
39-06	35-06	71-05
58-06	50-06	10-04
10-05	76-06	17-04
17-05	11-05	30-04
23-05	13-05	41-04

51-05	18-05	12-03
88-05	18-05	34-03
30-01	41-03	11 08
68-05	43-06	67-04
13-06	94-07	29-05
27-06	22-06	50-05
39-06	33-06	67-05
64-06	54-06	10-04
11-05	84-06	18-04
15-05	10-05	24-04
37-05	17-05	69-04
71-05	18-05	19-03

9	10	Сумма
72-06	56-06	11-04
17-05	11-05	24-04
25-05	13-05	43-04
41-05	17-05	80-04
61-05	18-05	15-03
74-05	10-05	22-03
11-04	16-05	67-03
13-04	18-05	19-02
50-02	67-04	17 07
22-04	15-05	21-03
44-06	36-06	73-05
10-05	80-06	16-04
16-05	11-05	24-04
27-05	15-05	44-04
44-05	17-05	83-04
56-05	18-05	12-03
99-05	18-05	36-03
13-04	18-05	10-02

9	10	Сумма
28-05	14-05	48-04
58-05	18-05	13-03
73-05	18-05	21-13
94-05	18-05	40-03
11-04	18-05	76-03
12-04	18-05	11-02
13-04	18-05	35-02
13-04	18-05	97-02
94-03	12-04	30 06
58-04	53-05	58-03
18-05	12-05	27-04
40-05	17-05	70-04
55-05	18-05	11-03
79.05	18-05	21-03
10-04	18-05	40-03
11-04	18-05	59-03
13-04	18-05	19-02
13-04	18-05	53-02

9	10	Сумма
81-05	18-05	25-03
11-04	18-05	79-03
12-04	18-05	13-02
13-04	18-05	25-02
13-04	18-05	47-02
13-04	18-05	69-02
13-04	18-05	20-01
13-04	18-05	45-01
16-03	21-05	40 05
15-03	21-04	15-02
63-05	18-05	15-03
10-04	18-05	42-03
12-04	18-05	65-03
13-04	18-05	14-02
13-04	18-05	25-02
13-04	18-05	37-02
13-04	18-05	11-01
13-04	18-05	23-01

9	10	Сумма
12-04	18-05	18-05
13-04	18-05	42-02
13-04	18-05	66-02
13-04	18-05	12-01
13-04	18-05	22-01
13-04	18-05	30-01
13-04	18-05	73-01
13-04	18-05	16 00
32-04	47-06	89 04
35-03	74-04	41-02
12-04	18-05	78-03
13-04	18-05	22-02
13-04	18-05	36-02
13-04	18-05	70-02
13-04	18-05	13-01
13-04	18-05	18-01
13-04	18-05	47-01
13-04	18-05	10 00

9	10	Сумма
13-04	18-05	88-02
13-04	18-05	25-01
13-04	18-05	35-01
13-04	18-05	54-01
13-04	18-05	86-01
13-04	18-05	11 00
13-04	18-05	24 00
13-04	18-05	44 00
66-05	10-06	16 04
82-03	26-03	13-01
13-04	18-05	49-02
13-04	18-05	13-01

13-04	18-05	20-01
13-04	18-05	35-01
13-04	18-05	58-01
13-04	18-05	77-01
13-04	18-05	17 00
13-04	18-05	34 00

9	10	Сумма
13-04	18-05	34-01
13-04	18-05	74-01
13-04	18-05	10 00
13-04	18-05	15 00
13-04	18-05	25 00
13-04	18-05	31 00
13-04	18-05	56 00
13-04	18-05	85 00
19-05	30-07	16 03
18-02	89-03	46-01
13-04	18-05	22-01
13-04	18-05	50-01
13-04	18-05	71-01
13-04	18-05	11 00
13-04	18-05	18 00
13-04	18-05	23 00
13-04	18-05	46 00
13-04	18-05	76 00

9	10	Сумма
13-04	18-05	12 00
13-04	18-05	24 00
13-04	18-05	35 00
13-04	18-05	46 00
13-04	18-05	63 00
13-04	18-05	73 00
13-04	18-05	90 00
13-04	16-05	10 01
45-06	80-08	26 02
48-02	31-02	23 00
13-04	18-05	84-01
13-04	18-05	17 00
13-04	18-05	24 00
13-04	18-05	36 00
13-04	18-05	52 00
13-04	18-05	64 00
13-04	16-05	92 00
13-04	16-05	99 00

