

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=6000 K

P=0,001 атм

	1	2	3	4	5	6	7	8
1	69-11	44-09	13-08	11-08	21-08	46-08	53-07	21-07
3	20-10	13-08	39-08	34-08	62-08	14-06	11-06	30-07
5	34-10	22-08	64-08	56-08	10-07	23-06	14-06	35-07
10	69-10	44-08	13-07	11-07	27-07	48-06	20-06	44-07
20	14-09	89-08	26-07	22-07	41-07	63-08	28-06	55-07
30	20-09	13-07	39-07	34-07	62-07	14-07	32-06	63-07
100	69-09	45-07	13-06	11-06	21-06	46-07	42-06	94-07
300	21-08	13-06	39-06	34-06	62-06	14-06	50-06	13-06
A	21 07	18 10	15 10	42 10	69-09	23 09	16 06	16 04
B	35-11	23-09	64-09	56-09	10-08	23-08	49-07	20-06
1	35-11	23-09	64-09	56-09	10-08	23-09	36-07	17-07
3	10-10	68-09	19-08	17-08	31-08	70-09	77-07	26-07
5	17-10	11-08	32-08	28-08	52-08	12-08	10-06	31-07
10	35-10	23-08	84-08	56-08	10-07	23-08	15-06	38-07
20	69-10	46-08	13-07	11-07	21-07	46-08	22-06	47-07
30	10-09	68-08	19-07	17-07	31-07	70-08	27-06	54-07
100	35-09	23-07	64-07	56-07	10-06	23-07	39-06	81-07
300	10-08	68-07	19-06	17-06	31-06	70-07	48-06	11-06

P=0,01 атм

	1	2	3	4	5	6	7	8
1	14-09	10-07	21-07	31-07	50-07	43-07	20-06	48-07
3	40-09	30-07	63-07	93-07	15-06	13-06	32-06	76-07
5	68-09	50-07	10-06	16-06	25-06	22-06	38-06	96-07
10	14-08	10-06	21-06	31-06	50-06	43-06	46-06	14-06
20	27-08	20-06	42-06	62-06	10-05	87-06	58-06	20-06
30	41-08	30-06	83-06	93-06	15-05	13-05	67-06	26-06
100	14-07	10-05	21-05	31-05	50-05	43-05	12-05	60-06
300	41-07	30-05	63-05	93-05	15-04	13-04	25-05	14-05
A	11 06	91 08	54 08	12 09	19 06	48 07	15 04	19 02
B	68-10	50-08	10-07	16-07	25-07	22-07	44-06	18-05
1	66-10	50-08	10-07	16-07	25-07	22-07	15-06	40-07
3	20-09	15-07	31-07	47-07	75-07	65-07	26-06	61-07
5	34-09	25-07	52-07	78-07	12-06	11-06	33-06	76-07
10	68-09	50-07	10-06	16-06	25-06	22-06	41-06	10-06
20	14-08	10-06	21-06	31-06	50-06	43-06	50-06	14-06
30	20-08	15-06	31-06	47-06	75-06	65-06	68-06	18-06
100	68-08	50-06	10-05	16-05	25-06	22-05	86-06	37-06
300	20-07	15-05	31-05	47-05	75-05	65-05	16-05	86-06

P=0,03 атм

	1	2	3	4	5	6	7	8
1	78-09	38-07	77-07	14-08	19-06	36-06	34-06	92-07
3	23-08	11-06	23-06	41-06	56-06	11-05	54-06	18-06
5	39-08	19-06	39-06	68-06	94-06	16-05	67-06	25-06
10	78-08	38-06	77-06	14-05	19-05	36-05	97-06	41-06
20	16-07	78-06	15-05	27-05	37-05	71-05	15-05	71-06
30	23-07	11-05	23-05	41-05	56-05	11-04	20-05	98-06

100	78-07	38-05	77-05	14-04	19-04	35-04	56-05	26-05
300	23-06	11-04	23-04	41-04	56-04	10-03	15-04	59-05
A	20 05	17 08	92 07	20 06	29 07	62 06	17 03	27 01
B	39-09	19-07	39-07	68-07	94-07	18-06	11-05	47-05
1	39-09	19-07	39-07	68-07	94-07	18-06	26-06	69-07
3	12-08	57-07	12-06	20-06	28-06	53-06	43-06	12-06
5	20-08	95-07	19-06	34-06	47-06	69-06	52-06	16-06
10	39-08	19-06	39-06	66-06	94-06	18-05	70-06	26-06
20	78-08	38-06	77-06	14-05	19-05	38-05	10-05	43-06
30	12-07	57-06	12-05	20-05	28-05	53-05	13-05	58-06
100	39-07	19-05	39-05	68-05	94-05	18-04	31-05	15-05
300	12-06	57-05	12-04	20-04	28-04	53-04	82-05	38-06

P=0,1 атм

	1	2	3	4	5	6	7	8
1	66-08	15-06	31-06	69-06	79-06	32-05	74-06	27-06
3	20-07	46-06	93-06	21-05	24-05	95-05	17-05	64-06
5	33-07	77-06	16-05	35-05	40-05	16-04	26-05	96-06
10	66-07	16-06	31-05	89-05	79-05	31-04	48-05	17-05
20	13-06	31-05	62-05	14-04	16-04	63-04	90-05	30-05
30	20-06	46-05	93-05	21-04	24-04	94-04	13-04	41-05
100	66-06	18-04	31-04	69-04	79-04	31-03	40-04	95-05
300	20-05	46-04	88-04	21-03	24-03	87-03	10-03	18-04
A	24 04	22 07	12 07	24 07	34 06	56 06	16 02	39 00
B	33-08	76-07	16-06	36-06	40-06	16-05	28-05	12-04
1	33-08	76-07	16-06	36-06	40-06	16-05	55-06	17-06
3	68-08	33-06	47-06	10-05	12-06	47-05	11-06	38-06
5	18-07	38-06	78-06	17-05	20-05	79-05	15-06	57-06
10	33-07	76-06	16-05	36-05	40-05	16-04	27-05	10-05
20	66-07	16-05	31-05	69-06	79-05	32-04	48-06	18-05
30	96-07	33-05	47-05	10-04	12-04	47-04	70-05	25-05
100	33-06	76-05	16-04	35-04	40-04	16-05	22-04	63-05
300	96-06	23-04	46-04	10-03	12-03	46-05	59-04	13-04

P=0,3 атм

	1	2	3	4	5	6	7	8
1	50-07	61-06	11-05	33-05	36-06	21-04	31-05	85-06
3	15-06	16-05	34-05	99-05	11-04	62-04	86-05	21-05
5	26-06	31-05	67-05	16-04	18-04	10-03	14-04	32-05
10	60-06	81-05	11-04	33-04	36-04	20-03	26-04	54-05
20	66-06	12-04	23-04	66-04	71-04	40-03	49-04	86-05
30	13-05	18-04	34-04	89-04	11-03	59-03	70-04	11-04
100	48-05	61-04	11-03	33-03	36-03	18-02	18-03	22-04
300	13-04	16-03	32-03	86-03	10-02	44-02	32-03	32-04
A	32 03	31 06	19 05	34 06	45 05	58 04	20 01	76-01
B	35-07	31-06	57-06	16-05	18-05	10-05	86-05	27-04
1	28-07	31-06	57-06	16-05	18-05	10-04	18-05	50-06
3	74-07	93-06	17-05	49-05	54-05	31-04	48-05	12-05
5	12-06	18-05	29-05	82-05	89-05	52-04	73-05	19-05
10	24-06	31-05	57-05	18-04	18-04	10-03	14-04	34-05
20	50-06	82-05	11-04	33-04	38-04	21-03	27-04	58-05
30	74-05	93-05	17-04	49-04	54-04	31-03	40-04	78-05
100	28-05	31-04	57-04	18-03	18-03	99-03	12-03	17-04
300	74-05	13-04	17-03	48-03	53-03	28-02	24-03	28-04

P=1 атм

	1	2	3	4	5	6	7	8
1	44-08	32-05	51-05	19-04	22-04	15-03	19-04	30-05
3	13-05	88-05	15-04	88-04	64-04	43-03	51-04	70-05
5	22-05	18-04	25-04	97-04	11-03	70-05	80-04	98-05
10	44-05	32-04	51-04	19-03	21-03	13-02	14-03	15-04
20	88-05	64-04	10-03	39-03	43-03	24-02	22-03	22-04
30	13-04	86-04	15-03	58-03	64-03	34-02	28-03	46-04
100	42-04	32-03	49-03	19-03	21-02	82-02	40-03	38-04
300	12-03	95-03	14-02	58-02	80-02	18-01	48-03	42-04
A	36 02	42 05	27 05	36 05	47 04	51 03	21 00	13-01
B	22-06	16-05	28-05	97-05	11-04	75-04	20-04	67-04
1	22-06	16-05	25-05	97-05	11-04	75-04	10-04	18-05
3	68-06	48-05	76-05	29-04	32-04	22-03	28-04	44-05
5	11-05	81-05	13-04	49-04	54-04	37-03	46-04	88-05
10	22-05	16-04	25-04	97-04	11-03	72-03	86-04	11-04
20	44-05	32-04	51-04	19-03	22-03	14-02	15-03	17-04
30	88-05	46-04	78-04	29-03	32-03	20-02	20-03	21-04
100	22-04	16-03	26-03	97-03	11-02	55-02	37-03	34-04
300	64-04	48-03	74-03	29-02	32-02	12-01	48-03	42-04

P=3 атм

	1	2	3	4	5	6	7	8
1	31-05	16-04	81-04	10-03	12-03	60-03	88-04	85-05
3	93-05	48-04	63-04	31-03	35-03	22-02	80-03	17-04
5	15-04	60-04	10-03	51-03	58-03	33-02	28-03	22-04
10	30-04	16-03	21-03	10-02	14-02	57-02	35-03	30-04
20	58-04	32-03	42-03	20-02	23-02	60-02	43-03	37-04
30	87-04	48-03	63-03	30-02	34-02	12-01	46-03	40-04
100	28-03	16-02	20-02	10-01	10-01	21-01	52-03	44-04
300	64-03	47-02	56-02	28-01	25-01	30-01	53-03	44-04
A	50 01	65 04	82 04	90 04	57 03	63 02	30-01	27-02
B	16-05	82-05	10-04	51-04	58-04	43-03	74-04	16-03
1	16-05	82-05	10-04	51-04	58-04	42-03	72-04	57-05
3	47-05	24-04	32-04	15-03	18-03	12-02	14-03	13-04
5	78-05	41-04	53-04	26-03	29-03	20-02	20-03	17-04
10	16-04	82-04	10-03	51-03	58-03	36-02	31-03	25-04
20	31-04	16-03	21-03	10-02	12-02	62-02	41-03	34-04
30	48-04	24-03	32-03	15-02	17-02	83-02	45-03	38-04
100	14-03	82-03	10-02	51-02	56-02	17-01	52-03	44-04
300	39-03	24-02	30-02	15-01	16-01	27-01	53-03	44-04

P=10 атм

	1	2	3	4	5	6	7	8
1	25-04	10-03	11-03	65-03	75-03	41-02	32-03	23-04
3	72-04	30-03	32-03	19-02	22-02	60-02	45-03	38-04
5	12-03	50-03	54-03	32-02	36-02	12-01	49-03	41-04
10	22-03	10-02	11-02	64-02	68-02	18-01	52-03	44-04
20	39-03	20-02	21-02	12-01	13-01	24-01	53-03	44-04
30	55-03	30-02	32-02	18-01	18-01	28-01	53-03	44-04
100	13-02	96-02	10-01	55-01	42-01	36-01	53-03	44-04
300	24-02	26-01	26-01	13 00	70-01	40-01	53-03	44-04
A	62 00	10 04	87 03	13 04	17 03	83 01	61-02	44-03
B	13-04	52-04	54-04	32-03	38-03	28-02	40-03	42-03
1	13-04	52-04	54-04	32-03	38-03	25-02	25-03	11-04
3	38-04	16-03	16-03	87-03	11-02	68-02	43-03	33-04

5	68-04	26-03	27-03	16-02	18-02	90-02	46-03	36-04
10	12-03	52-03	54-03	32-02	37-02	14-01	52-03	43-04
20	23-03	10-02	11-02	64-02	71-02	20-01	53-03	44-04
30	33-03	16-02	16-02	68-02	10-01	24-01	53-03	44-04
100	69-03	52-02	52-02	31-01	29-01	36-01	53-03	44-04
300	18-02	15-01	15-01	84-01	58-01	40-01	53-03	44-04

P=30 атм

	1	2	3	4	5	6	7	8
1	15-03	56-03	50-03	34-02	38-02	13-01	50-03	43-04
3	38-03	17-02	15-02	10-01	10-01	22-01	53-03	44-04
5	58-03	28-02	25-02	16-01	16-01	27-01	53-03	44-04
10	98-03	54-08	48-02	32-01	28-01	32-01	53-03	44-04
20	16-02	10-01	94-02	59-01	44-01	37-01	53-03	44-04
30	20-02	15-01	14-01	83-01	55-01	38-01	53-03	44-04
100	33-02	44-01	38-01	20 00	82-01	41-01	53-03	44-04
300	36-02	10 00	81-01	34 00	97-01	41-01	53-03	44-04
A	69-01	13 03	75 02	14 03	10 02	72 00	66-03	79-04
B	84-04	29-03	25-03	17-02	20-02	15-01	20-02	11-02
1	80-04	29-03	25-03	17-02	20-02	92-02	50-03	40-04
3	22-03	88-03	75-03	52-02	58-02	11-01	53-03	44-04
5	38-03	15-02	12-02	88-02	94-02	23-01	53-03	44-04
10	65-03	26-02	25-02	17-01	18-01	30-01	53-03	44-04
20	11-02	58-02	49-02	33-01	31-01	36-01	53-03	44-04
30	14-02	68-02	73-02	48-01	48-01	38-01	53-03	44-04
100	20-02	27-01	23-01	14 00	78-01	41-01	53-03	44-04
300	38-02	71-01	58-01	29 00	97-01	41-01	53-03	44-04

P=100 атм

	1	2	3	4	5	6	7	8
1	78-03	36-02	26-02	20-01	10-01	29-01	53-03	44-04
3	16-02	10-01	76-02	84-01	42-01	37-01	53-03	44-04
5	22-02	16-01	12-01	83-01	57-01	39-01	53-03	44-04
10	29-02	30-01	23-01	14 00	74-01	41-01	53-03	44-04
20	38-02	54-01	40-01	22-00	08-01	41-01	53-03	44-04
30	38-02	73-01	54-01	20 00	93-01	41-01	53-03	44-04
100	36-02	16 00	11 00	40 00	10-00	41-01	53-03	44-04
300	39-02	23 00	14 00	44 00	10-00	41-01	53-03	44-04
A	13-01	22 02	14 02	22 02	16 01	12 00	10-03	12-04
B	60-03	19-02	13-02	10-01	12-01	91-01	12-01	33-02
1	48-03	19-02	13-02	10-01	11-01	26-01	53-03	44-04
3	11-02	56-02	40-02	30-01	29-01	36-01	53-03	44-04
5	16-02	82-02	68-02	40-01	43-01	39-01	53-03	44-04
10	24-02	18-01	13-01	91-01	65-01	41-01	53-03	44-04
20	32-02	34-01	24-01	16 00	85-01	41-01	53-03	44-04
30	30-02	48-01	35-01	21 00	93-01	41-01	53-03	44-04
100	30-02	12 00	88-01	38 00	10-00	41-01	53-03	44-04
300	38-02	21 00	14 00	44 00	10-00	41-01	53-03	44-04

9	10	Сумма
25-08	51-09	84-07
35-08	10-08	16-06
41-08	14-08	21-06
54-08	23-08	31-06
74-08	39-08	45-06
91-08	53-08	56-06
18-08	13-07	11-05
40-07	27-07	23-05
18 00	11-02	84 10
24-07	79-09	28-06
22-08	36-09	59-07
30-08	70-09	11-06
35-08	98-09	15-06
44-08	15-08	22-06
58-08	25-08	33-06
70-08	34-08	41-06
13-07	86-08	76-06
27-07	19-07	14-05

9	10	Сумма
92-08	56-08	41-06
21-07	14-07	90-06
31-07	20-07	13-05
55-07	33-07	22-05
98-07	51-07	40-05
13-06	63-07	58-05
32-06	90-07	18-04
56-06	94-07	51-04
51-02	30-04	30 09
22-06	93-08	26-05
62-08	32-08	27-06
13-07	81-08	58-06
19-07	12-07	62-06
33-07	22-07	13-05
58-07	38-07	23-05
82-07	49-07	32-05
21-06	83-07	93-05
46-06	93-07	26-04

9	10	Сумма
35-07	22-07	13-05
88-07	47-07	32-05
13-06	62-07	51-05
22-06	81-07	96-05
35-06	92-07	18-04
45-06	93-07	27-04

74-06	93-07	88-04
90-06	93-07	26-03
10-02	56-05	50 08
56-06	33-07	68-05
20-07	14-07	76-06
51-07	34-07	18-06
80-07	48-07	28-05
14-06	70-07	52-05
24-06	86-07	97-05
32-06	91-07	14-04
63-06	93-07	45-04
90-06	93-07	13-03

9	10	Сумма
15-06	66-07	64-05
32-06	90-07	18-04
44-06	93-07	30-04
61-06	94-07	58-04
77-06	93-07	11-03
84-06	93-07	17-03
98-06	93-07	55-03
10-05	93-07	16-02
20-03	11-05	62 07
14-05	14-06	19-04
66-07	52-07	34-05
21-06	83-07	94-05
31-06	90-07	16-04
48-06	93-07	30-04
66-06	93-07	58-04
77-06	93-07	87-04
98-06	93-07	28-03
10-05	93-07	83-03

9	10	Сумма
39-06	86-07	34-04
66-06	92-07	10-03
77-06	92-07	16-03
87-06	93-07	32-03
96-06	93-07	63-03
10-05	93-07	93-03
10-05	93-07	28-02
10-05	93-07	73-02
48-04	28-06	89 06
30-05	47-06	52-04
27-06	84-07	17-04
54-06	92-07	51-04
67-06	92-07	84-04
84-06	93-07	16-03
96-06	93-07	33-03
10-05	93-07	49-03
10-05	93-07	16-02
10-05	93-07	42-02

9	10	Сумма
78-06	92-07	22-03
91-06	93-07	64-03
99-06	93-07	10-02
10-05	93-07	20-02
10-05	93-07	37-02
10-05	93-07	52-02
11-05	93-07	14-01
11-05	93-07	30-01
93-05	61-07	11 06
89-05	17-05	20-03
64-06	92-07	11-03
91-06	93-07	33-03
99-06	93-07	55-03
10-05	93-07	11-02
10-05	93-07	21-02
10-05	93-07	30-02
11-05	93-07	84-02
11-05	93-07	19-01

9	10	Сумма
96-06	93-07	12-02
10-05	93-07	32-02
10-05	93-07	49-02
11-05	93-07	86-02
11-05	93-07	15-01
11-05	93-07	20-01
11-05	93-07	46-01
11-05	93-07	96-01
23-05(16-07	27 05
15-04	56-05	81-03
96-06	93-07	61-03
10-05	93-07	18-02
10-05	93-07	28-02
11-05	93-07	52-02
11-05	93-07	92-02
11-05	93-07	13-01
11-05	93-07	30-01
11-05	93-07	64-01

9	10	Сумма
10-05	93-07	81-02
11-05	93-07	14-01
11-05	93-07	21-01
11-05	93-07	34-01
11-05	93-07	54-01
11-05	93-07	72-01
11-05	93-07	16 00
11-05	93-07	30 00
52-06	41-08	34 04
38-04	19-04	45 02
10-05	93-07	36-02
11-05	93-07	91-02

11-05	93-07	14-01
11-05	93-07	23-01
11-05	93-07	37-01
11-05	93-07	49-31
11-05	93-07	11 00
11-05	93-07	21 00

9	10	Сумма
11-05	93-07	22-01
11-05	93-07	47-01
11-05	93-07	86-01
11-05	93-07	10 00
11-05	93-07	16 00
11-05	93-07	21 00
11-05	93-07	41 00
11-05	93-07	66 00
15-06	13-08	35 03
96-04	58-04	23-01
11-05	93-07	14-01
11-05	93-07	31-01
11-05	93-07	45-01
11-05	93-07	71-01
11-05	93-07	11 00
11-05	93-07	11 00
11-05	93-07	51 00
11-05	93-07	56 00

9	10	Сумма
11-05	93-07	93-07
11-05	93-07	15 00
11-05	93-07	21 00
11-05	93-07	31 00
11-05	93-07	45 00
11-05	93-07	54 00
11-05	93-07	62 00
11-05	93-07	96 00
35-07	36-09	60 02
31-03	20-03	13 00
11-05	93-07	52-01
11-05	93-07	11 00
11-05	93-07	15 00
11-05	93-07	23 00
11-05	93-07	35 00
11-05	93-07	44 00
11-05	93-07	74 00
11-05	93-07	94 00

