

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=5000 K

P=0,001 атм

	1	2	3	4	5	6	7	8
1	18-10	29-09	39-09	60-09	67-09	13-08	20-08	17-09
3	54-10	87-09	12-08	18-08	20-08	39-08	47-08	12-08
5	91-10	14-08	19-08	30-08	34-08	65-08	66-08	14-08
10	18-09	29-08	39-08	60-08	67-08	13-07	10-07	18-08
20	38-09	58-08	78-08	12-07	13-07	26-07	16-07	23-08
30	54-09	87-08	12-07	18-07	20-07	39-07	20-07	28-08
100	18-08	29-07	39-07	60-07	67-07	13-06	42-07	55-08
300	54-08	67-07	12-06	18-06	20-06	39-06	74-07	12-07
A	48 08	60 11	44 11	19 11	15 10	16 09	21 04	16 02
B	91-11	14-09	19-09	30-09	34-09	65-09	13-08	69-08
1	91-11	14-09	19-09	30-09	34-09	68-09	12-08	76-09
3	27-10	44-09	58-09	90-09	10-08	20-08	30-08	11-08
5	45-10	73-09	97-09	15-08	17-08	33-08	44-08	12-08
10	91-10	14-08	19-08	30-08	34-08	68-08	70-08	15-08
20	18-09	29-08	39-08	60-08	67-08	13-07	11-07	19-08
30	27-09	44-08	58-08	90-08	10-07	20-07	14-07	22-08
100	91-09	14-07	19-07	30-07	34-07	65-07	30-07	38-08
300	27-08	44-07	58-07	90-07	10-06	20-06	55-07	75-08

P=0,01 атм

	1	2	3	4	5	6	7	8
1	97-09	41-08	48-08	14-07	14-07	69-07	11-07	20-08
3	29-08	12-07	14-07	43-07	43-07	21-06	27-07	35-08
5	48-08	20-07	24-07	71-07	72-07	34-06	41-07	48-08
10	97-08	41-07	48-07	14-06	14-06	69-06	74-07	81-08
20	19-07	32-07	97-07	28-06	29-06	14-05	13-06	14-07
30	89-07	12-06	14-06	43-06	43-06	21-05	19-06	20-07
100	97-07	41-06	48-06	14-05	14-06	69-05	56-06	57-07
300	29-08	12-05	14-05	43-05	43-06	20-04	16-05	14-06
A	76 06	94 09	67 09	27 09	22 08	19 07	25 02	48 00
B	48-09	20-08	24-08	71-08	73-08	35-07	84-08	40-07
1	49-09	20-08	24-08	71-08	72-08	34-07	64-08	16-08
3	14-08	62-08	73-08	21-07	22-07	10-06	16-07	25-08
5	24-08	10-07	12-07	36-07	36-07	17-06	24-07	32-08
10	48-08	20-07	24-07	71-07	72-07	34-06	42-07	50-08
20	97-08	41-07	48-07	14-06	14-06	66-06	75-07	83-08
30	14-07	62-07	73-07	21-06	22-06	10-05	11-06	12-07
100	48-07	20-06	24-06	71-06	72-06	34-05	30-06	32-07
300	14-06	62-06	73-06	21-05	22-05	10-04	83-06	83-07

P=0,03 атм

	1	2	3	4	5	6	7	8
1	57-08	18-07	13-07	71-07	78-07	41-06	39-07	38-08
3	17-07	54-07	54-07	21-06	24-06	12-05	11-06	86-08
5	28-07	89-07	91-07	36-06	39-06	20-05	17-06	13-07
10	57-07	18-06	18-06	71-06	78-06	41-05	33-06	24-07
20	11-06	35-06	36-06	14-05	16-05	81-05	64-06	44-07
30	17-06	54-06	54-06	21-05	24-05	12-04	94-06	63-07

100	57-06	18-05	18-05	71-05	78-05	40-04	29-05	17-06
300	17-05	54-05	54-05	21-04	24-04	12-03	76-05	39-06
A	11 06	13 09	93 08	37 06	28 07	21 06	35 01	10 00
B	58-08	90-08	91-08	36-07	39-07	20-06	26-07	95-07
1	29-08	89-08	91-08	36-07	39-07	20-06	21-07	26-08
3	86-08	27-07	27-07	11-06	12-06	61-06	57-07	53-08
5	14-07	45-07	45-07	18-06	20-06	10-05	92-07	77-08
10	25-07	89-07	91-07	36-06	39-06	20-05	18-06	14-07
20	57-07	18-06	18-06	71-06	78-06	41-05	34-06	25-07
30	86-07	27-06	27-06	11-05	12-05	61-05	49-06	35-07
100	28-06	89-06	91-06	36-05	39-05	20-04	16-05	10-06
300	86-06	27-05	27-05	11-04	12-04	60-04	43-05	15-06

P=0,1 атм

	1	2	3	4	5	6	7	8
1	38-07	97-07	84-07	43-06	50-06	27-05	21-06	11-07
3	11-06	29-06	25-06	13-05	15-05	81-05	63-06	29-07
5	19-06	49-06	42-06	22-05	25-05	13-04	10-05	46-07
10	38-06	97-06	84-06	43-05	50-05	27-04	20-05	85-07
20	76-06	19-05	17-05	86-05	10-04	53-04	38-05	15-06
30	11-05	29-05	25-05	13-04	15-04	79-04	54-05	21-06
100	38-05	97-04	84-05	43-04	50-04	25-03	14-04	52-06
300	11-04	29-04	25-04	13-03	15-03	64-03	23-04	10-05
A	12 05	15 08	11 08	41 07	29 06	19 05	41 00	18-01
B	19-07	49-07	42-07	22-06	25-06	14-05	12-06	26-06
1	19-07	49-07	42-07	22-06	25-06	14-05	11-06	69-08
3	57-07	15-06	12-06	64-06	76-06	41-05	32-06	17-07
5	95-07	24-06	21-06	11-05	13-05	68-05	53-06	26-07
10	19-06	49-06	42-06	22-05	25-05	14-04	10-05	49-07
20	38-06	98-06	84-06	43-05	50-05	27-04	20-05	92-07
30	57-06	15-05	12-05	64-05	76-05	40-04	30-05	13-06
100	19-05	49-05	42-05	22-04	25-04	13-03	88-05	35-06
300	57-05	15-04	12-04	64-04	76-04	36-03	20-04	77-06

P=0,3 атм

	1	2	3	4	5	6	7	8
1	21-06	49-06	37-06	23-05	28-05	15-04	11-05	39-07
3	63-06	15-05	11-05	69-05	65-05	45-04	33-05	10-06
5	10-05	24-05	18-05	12-04	14-04	74-04	52-05	16-06
10	21-05	49-05	37-05	23-04	28-04	14-03	95-05	29-06
20	42-05	98-05	74-05	46-04	56-04	26-03	16-04	49-06
30	63-05	15-04	11-04	69-04	85-04	40-03	21-04	65-06
100	21-04	49-04	37-04	23-03	28-03	11-02	38-04	14-05
300	62-04	14-03	11-03	69-03	83-03	24-02	48-04	22-05
A	15 04	22 07	18 07	56 06	33 05	22 04	56-01	32-02
B	11-06	24-06	18-06	12-05	14-05	77-05	62-06	67-06
1	10-06	24-06	18-06	12-05	14-05	77-05	59-06	23-07
3	32-06	74-06	55-06	34-05	42-05	23-04	17-05	62-07
5	53-06	12-05	92-06	58-05	71-05	38-04	28-05	99-07
10	10-05	24-05	18-05	12-04	14-04	76-04	55-05	18-06
20	21-05	49-05	37-05	23-04	28-04	15-03	10-04	33-06
30	32-05	74-05	55-05	34-04	42-04	22-03	14-04	46-06
100	10-04	24-04	18-04	12-03	14-03	65-03	30-04	11-05
300	32-04	74-04	55-04	34-03	42-03	16-02	46-04	19-05

P=1 атм

	1	2	3	4	5	6	7	8
1	13-05	28-05	19-05	14-04	18-04	94-04	65-05	19-06
3	39-05	84-05	58-05	42-04	53-04	26-03	16-04	48-06
5	65-05	14-04	96-05	71-04	89-04	42-03	23-04	76-06
10	13-04	28-04	19-04	14-03	18-03	76-03	34-04	11-05
20	26-04	56-04	39-04	26-03	35-03	13-02	42-04	16-05
30	38-04	84-04	58-04	42-03	53-03	18-02	48-04	20-05
100	12-03	27-03	19-03	14-02	17-02	39-02	58-04	26-05
300	32-03	79-03	58-03	42-02	47-02	66-02	60-04	26-05
A	16 03	35 06	22 06	62 05	35 04	26 03	65-02	43-03
B	65-06	14-05	97-06	71-05	89-05	49-04	38-05	20-05
1	65-06	14-05	96-06	71-05	89-05	48-04	36-05	11-06
3	20-05	42-05	29-05	21-04	27-04	14-03	10-04	31-06
5	32-05	71-05	48-05	35-04	44-04	23-03	16-04	48-06
10	65-05	14-04	96-05	71-04	89-04	44-03	26-04	82-06
20	13-04	28-04	19-04	14-03	18-03	81-03	37-04	13-05
30	19-04	42-04	29-04	21-03	27-03	11-02	44-04	17-05
100	62-04	14-03	96-04	71-03	88-03	27-02	57-04	25-05
300	17-03	41-03	29-03	21-02	26-02	52-02	60-04	26-05

P=3 атм

	1	2	3	4	5	6	7	8
1	68-05	14-04	93-05	76-04	97-04	46-03	25-04	84-06
3	20-04	43-04	28-04	23-03	29-03	12-02	42-04	16-05
5	34-04	71-04	46-04	38-03	48-03	17-02	50-04	21-05
10	67-04	14-03	93-04	76-03	95-03	27-02	56-04	25-05
20	13-03	28-03	18-03	15-02	18-02	42-02	59-04	26-05
30	19-03	42-03	28-03	23-02	27-02	52-02	60-04	26-05
100	56-03	13-02	92-03	74-02	80-02	86-02	60-04	26-05
300	13-02	36-02	27-02	21-01	16-01	11-01	60-04	26-05
A	20 02	60 05	42 05	20 05	54 03	32 02	94-03	67-04
B	34-05	72-05	46-05	38-04	49-04	27-03	21-04	58-05
1	34-05	72-05	46-05	38-04	49-04	25-03	17-04	57-06
3	10-04	22-04	14-04	11-03	15-03	70-03	37-04	13-05
5	17-04	36-04	23-04	19-03	24-03	11-02	46-04	17-05
10	34-04	72-04	46-04	38-03	48-03	18-02	55-04	23-05
20	67-04	14-03	93-04	76-03	96-03	30-02	59-04	26-05
30	10-03	21-03	14-03	11-02	14-02	39-02	60-04	26-05
100	31-03	70-03	46-03	38-02	46-02	73-02	80-04	26-05
300	80-03	20-02	14-02	11-01	12-01	10-01	60-04	26-05

P=10 атм

	1	2	3	4	5	6	7	8
1	40-04	82-04	53-04	46-03	60-03	20-02	54-04	24-05
3	12-03	24-03	16-03	14-02	17-02	40-02	60-04	26-05
5	19-03	40-03	26-03	24-02	28-02	54-02	60-04	26-05
10	36-03	79-03	53-03	47-02	52-02	73-02	60-04	26-05
20	66-03	15-02	10-02	92-02	94-02	94-02	60-04	26-05
30	93-03	22-02	16-02	14-01	13-01	10-01	60-04	26-05
100	22-02	67-02	51-02	41-01	27-01	12-01	60-04	26-05
300	36-02	17-01	14-01	98-01	40-01	14-01	60-04	26-05
A	17 01	63 04	29 04	22 04	44 02	22 01	19-03	87-05
B	20-04	42-04	26-04	24-03	31-03	17-02	14-03	19-04
1	20-04	42-04	26-04	24-03	30-03	13-02	52-04	21-05
3	60-04	12-03	79-04	72-03	90-03	29-02	60-04	26-05

5	99-04	21-03	13-03	12-02	15-02	41-02	60-04	26-05
10	19-03	41-03	26-03	24-02	29-02	60-02	60-04	26-05
20	38-03	82-03	53-03	48-02	55-02	82-02	60-04	26-05
30	85-03	12-02	79-03	71-02	79-02	94-02	60-04	26-05
100	15-02	38-02	26-02	23-01	20-01	12-01	60-04	26-05
300	30-02	10-01	77-02	61-01	38-01	14-01	60-04	26-05

P=30 атм

	1	2	3	4	5	6	7	8
1	18-03	38-03	25-03	24-02	28-02	54-02	60-04	26-05
3	50-03	11-02	75-03	72-02	74-02	86-02	60-04	26-05
5	77-03	18-02	12-02	12-01	11-01	10-01	60-04	26-05
10	13-02	34-02	25-02	23-01	19-01	12-01	60-04	26-05
20	22-02	65-02	43-02	42-01	28-01	13-01	60-04	26-05
30	20-02	93-02	72-02	69-01	33-01	13-01	60-04	26-05
100	48-02	26-01	22-01	14 00	45-01	14-01	60-04	26-05
300	80-02	62-01	53-01	26 00	53-01	14-01	60-04	26-05
A	26 00	71 03	25 03	19 03	50 01	24 00	24-04	15-05
B	95-04	20-03	12-03	12-02	15-02	84-02	68-03	62-04
1	94-04	20-03	12-03	12-02	15-02	40-02	60-04	26-05
3	27-03	58-03	38-03	37-02	43-02	73-02	60-04	26-05
5	44-03	98-03	63-03	81-02	68-02	91-02	60-04	26-05
10	84-03	19-02	12-02	12-01	12-01	11-01	60-04	26-05
20	15-02	37-02	25-02	23-01	21-01	13-01	60-04	26-05
30	20-02	53-02	37-02	34-01	27-01	13-01	60-04	26-05
100	40-02	15-01	12-01	98-01	45-01	14-01	60-04	26-05
300	57-02	39-01	33-01	21 00	53-01	14-01	60-04	26-05

P=100 атм

	1	2	3	4	5	6	7	8
1	78-03	18-02	13-02	13-01	12-01	10-01	60-04	26-05
3	18-02	61-02	39-02	37-01	24-01	13-01	60-04	26-05
5	26-02	81-02	63-02	57-01	31-01	13-01	60-04	26-05
10	35-02	15-01	12-01	99-01	40-01	14-01	60-04	26-05
20	48-02	26-01	22-01	16 00	47-01	14-01	60-04	26-05
30	55-02	37-01	32-01	20 00	50-01	14-01	60-04	26-05
100	64-02	93-01	77-01	32 00	54-01	14-01	60-04	26-05
300	85-02	19 00	13 00	38 00	64-01	14-01	60-04	26-05
A	46-01	14 03	51 02	32 02	98 00	48-01	47-05	27-06
B	47-03	99-03	67-03	70-02	78-02	42-01	35-02	23-03
1	45-03	97-03	66-03	69-02	70-02	93-02	60-04	26-05
3	12-02	28-02	20-02	20-01	18-01	13-01	60-04	26-05
5	18-02	46-02	33-02	33-01	25-01	13-01	60-04	26-05
10	29-02	87-02	65-02	82-01	37-01	14-01	60-04	26-05
20	42-92	16-01	13-01	11 00	47-01	14-01	60-04	26-05
30	49-02	23-01	18-01	15 00	50-01	14-01	60-04	26-05
100	63-02	62-01	53-01	30 00	54-01	14-01	60-04	26-05
300	65-02	14 00	11 00	38 00	54-01	14-01	60-04	26-05

9	10	Сумма
87-10	24-10	63-08
16-09	63-10	16-07
22-09	98-10	28-07
36-09	18-09	45-07
64-09	31-09	84-07
90-09	41-09	12-06
24-08	84-09	36-06
56-08	11-08	11-05
15-02	24-05	12 12
80-09	20-10	10-07
69-10	14-10	37-08
11-09	38-10	95-08
14-09	55-10	14-07
22-09	10-09	25-07
37-09	19-09	46-07
51-09	27-09	66-07
14-08	65-09	20-08
36-08	11-08	56-06

9	10	Сумма
61-09	30-09	12-08
16-08	63-09	36-06
24-08	83-09	59-06
41-08	10-08	12-05
67-08	12-08	23-05
87-08	12-08	34-05
16-07	13-08	11-04
27-07	13-08	34-04
79-04	15-06	19 10
24-06	29-09	10-06
35-09	18-09	62-07
88-09	45-09	18-06
14-08	64-09	30-06
25-08	92-09	56-06
44-08	11-08	12-05
60-08	12-08	17-35
13-07	13-08	57-05
20-07	13-08	17-04

9	10	Сумма
18-08	68-09	13-08
43-08	10-08	19-05
62-08	11-08	32-05
93-08	12-08	63-05
14-07	13-08	13-04
16-07	13-08	19-04

22-07	13-08	62-04
25-07	13-08	10-03
20-04	44-07	26 09
58-08	94-09	43-06
10-08	13-08	32-06
26-08	93-09	96-06
40-08	11-08	16-05
66-08	12-08	32-05
10-07	13-08	64-05
13-07	13-08	95-05
21-07	13-08	32-04
25-07	13-08	93-04

9	10	Сумма
50-08	11-08	41-05
10-07	12-08	12-04
13-07	13-08	20-04
18-07	13-08	40-04
21-07	13-08	60-04
22-07	13-08	12-03
26-07	13-08	38-03
27-07	13-08	10-02
45-05	11-07	31 08
13-07	33-08	23-05
31-08	10-08	20-06
71-08	12-08	61-05
99-08	13-08	10-04
14-07	13-08	20-04
19-07	13-08	41-04
22-07	13-08	61-04
26-07	13-08	20-03
27-07	13-08	56-03

9	10	Сумма
11-07	12-08	23-04
18-07	13-08	67-04
20-07	13-08	11-03
23-07	13-08	22-03
25-07	13-08	42-03
26-07	13-08	61-03
27-07	13-08	16-02
27-07	13-08	43-02
15-05	30-08	46 07
28-07	10-07	12-04
76-08	12-08	11-04
14-07	13-08	34-04
18-07	13-08	56-04
22-07	13-08	11-03
25-07	13-08	22-03
26-07	13-08	33-03
27-07	13-08	99-03
27-07	13-08	25-02

9	10	Сумма
20-07	13-08	14-03
24-07	13-08	40-03
26-07	13-08	63-03
27-07	13-08	12-02
27-07	13-08	21-02
27-07	13-08	30-02
27-07	13-08	76-02
27-07	13-08	17-01
25-06	70-09	64 06
73-07	34-07	74-04
17-07	13-08	71-04
24-07	13-08	21-03
26-07	13-08	34-03
27-07	13-08	66-03
27-07	13-08	12-02
27-07	13-08	17-02
27-07	13-08	47-02
27-07	13-08	11-01

9	10	Сумма
25-07	13-08	69-03
27-07	13-08	18-02
27-07	13-08	28-02
27-07	13-08	48-02
27-07	13-08	82-02
27-07	13-08	11-01
27-07	13-08	27-01
27-07	13-08	58-01
61-07	20-09	12 06
20-06	10-06	40-03
25-07	13-08	37-03
27-07	13-08	10-02
27-07	13-08	15-02
27-07	13-08	29-02
27-07	13-08	51-02
27-07	13-08	70-02
27-07	13-08	17-01
27-07	13-08	35-01

9	10	Сумма
27-07	13-08	33-02
27-07	13-08	78-02
27-07	13-08	11-01
27-07	13-08	19-01
27-07	13-08	31-01
27-07	13-08	47-01
27-07	13-08	94-01
27-07	13-08	13 00
13-07	51-10	11 05
67-06	35-06	25-02
27-07	13-08	20-02
27-07	13-08	40-02

27-07	13-08	73-02
27-07	13-08	15-01
27-07	13-08	20-01
27-07	13-08	27-01
27-07	13-08	63-01
27-07	13-08	13 00

9	10	Сумма
27-07	13-08	11-01
27-07	13-08	26-01
27-07	13-08	37-01
27-07	13-08	60-01
27-07	13-08	95-01
27-07	13-08	12 00
27-07	13-08	20 00
27-07	13-08	44 00
31-08	16-10	12 04
23-06	11-05	12-01
27-07	13-08	77-02
27-07	13-08	14-01
27-07	13-08	24-01
27-07	13-08	40-01
27-07	13-08	65-01
27-07	13-08	86-01
27-07	13-08	19 00
27-07	13-08	36 00

9	10	Сумма
27-07	13-08	39-01
27-07	13-08	84-01
27-07	13-08	12 00
27-07	13-08	18 00
27-07	13-08	26 00
27-07	13-08	34 00
27-07	13-08	57 00
27-07	13-08	77 00
66-09	44-11	22 03
94-05	36-05	63-01
27-07	13-08	25-01
27-07	13-08	56-01
27-07	13-08	81-01
27-07	13-08	13 00
27-07	13-08	20 00
27-07	13-08	26 00
27-07	13-08	49 00
27-07	13-08	71 00

