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Ostwald optimal colours (o), maximum (m) C _{AB,10} for A00, Y _{N,10} =3,6, Y _{W,10} =90, Y _m =520_770													
i ₁ , λ ₁	i ₂ , λ ₂	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	z ₁₀	h _{xy,10}	i _d , λ _d	i _c , λ _c	Code		
1 405	34 570	24.76	43.62	28.22	0.2563	0.4515	0.2921	166.8	17 487	39 597	Cm		
7 435	34 570	23.9	43.83	22.06	0.2661	0.4881	0.2457	156.0	18 491	47 637			
9 450	34 571	23.57	44.13	17.83	0.2755	0.5159	0.2084	147.9	19 495	-1 495c			
12 460	34 572	23.13	44.4	11.08	0.2942	0.5648	0.1409	134.6	21 505	-1 505c			
13 465	34 573	23.55	44.87	9.04	0.304	0.5792	0.1167	130.3	22 512	-1 512c			
14 470	34 574	24.54	45.75	7.28	0.3163	0.5897	0.0938	126.2	24 520	-1 520c			
15 475	35 576	25.89	46.7	5.84	0.3301	0.5953	0.0744	122.5	25 528	-1 528c	Gm		
16 480	36 581	29.14	49.04	4.7	0.3516	0.5915	0.0568	118.1	27 537	-1 537c			
17 485	37 588	36.35	53.77	3.82	0.3869	0.5723	0.0407	111.0	29 547	-1 547c			
18 490	41 609	56.68	64.8	3.15	0.4547	0.5199	0.0253	88.1	32 561	-1 561c			
19 495	-1 495c	85.8	76.7	2.63	0.5195	0.4644	0.0159	40.5	34 573	13 465			
20 500	-1 500c	85.78	75.66	2.24	0.524	0.4622	0.0136	37.6	34 573	13 468	max		
21 510	-1 509c	85.72	74.4	1.94	0.5289	0.459	0.0119	34.3	34 574	14 470			
24 520	-1 520c	85.0	69.14	1.41	0.5464	0.4444	0.0091	22.0	35 577	15 476	Ym		
25 530	-1 529c	84.45	66.89	1.32	0.5531	0.4381	0.0086	17.5	35 578	15 477			
27 540	-1 539c	82.72	61.69	1.2	0.568	0.4236	0.0082	8.6	36 581	16 480			
29 545	-1 545c	79.95	55.7	1.15	0.5843	0.4071	0.0084	0.5	37 585	16 483			
30 550	-1 550c	78.09	52.48	1.14	0.5928	0.3984	0.0086	356.9	37 587	16 484			
31 555	-1 555c	75.87	49.13	1.14	0.6014	0.3895	0.009	353.7	37 589	17 485			
32 560	-1 560c	73.26	45.69	1.14	0.61	0.3804	0.0094	350.9	38 592	17 486			
34 570	1 405	75.26	46.37	3.45	0.6016	0.3707	0.0276	346.8	39 597	17 487	Rm		
34 570	7 435	76.13	46.16	9.61	0.5771	0.3499	0.0728	336.0	47 637	18 491			
34 571	9 450	76.45	45.86	13.84	0.5615	0.3368	0.1016	327.9	-1 495c	19 495			
34 572	12 460	76.89	45.59	20.59	0.5374	0.3186	0.1439	314.6	-1 505c	21 505			
34 573	13 465	76.48	45.12	22.63	0.5302	0.3128	0.1569	310.3	-1 512c	22 512			
34 574	14 470	75.48	44.24	24.39	0.5237	0.3069	0.1692	306.2	-1 520c	24 520			
35 576	15 475	74.13	43.29	25.83	0.5174	0.3022	0.1803	302.6	-1 528c	25 528	Mm		
36 581	16 480	70.88	40.95	26.97	0.5106	0.295	0.1942	298.2	-1 537c	27 537			
37 588	17 485	63.67	36.22	27.85	0.4984	0.2835	0.218	291.1	-1 547c	29 547			
41 609	18 490	43.34	25.19	28.52	0.4465	0.2595	0.2938	268.2	-1 561c	32 561			
-1 495c	19 495	14.22	13.29	29.04	0.2515	0.235	0.5134	220.5	13 465	34 573			
-1 500c	20 500	14.24	14.33	29.43	0.2455	0.247	0.5073	217.6	13 468	34 573	min		
-1 509c	21 510	14.3	15.59	29.73	0.2399	0.2614	0.4986	214.3	14 470	34 574			
-1 520c	24 520	15.03	20.85	30.26	0.2272	0.3152	0.4574	202.0	15 476	35 577	Bm		
-1 529c	25 530	15.57	23.1	30.35	0.2256	0.3346	0.4397	197.5	15 477	35 578			
-1 539c	27 540	17.3	28.3	30.47	0.2274	0.3719	0.4005	188.6	16 480	36 581			
-1 545c	29 545	20.08	34.29	30.52	0.2365	0.4038	0.3595	180.5	16 483	37 585			
-1 550c	30 550	21.93	37.51	30.53	0.2437	0.4168	0.3393	176.9	16 484	37 587			
-1 555c	31 555	24.15	40.86	30.53	0.2528	0.4276	0.3195	173.7	17 485	37 589			
-1 560c	32 560	26.76	44.3	30.53	0.2634	0.436	0.3005	170.8	17 486	38 592			
W0 380	770	100.03	89.99	31.67	0.4511	0.4059	0.1428	0.0					
N0 380	770	4.0	3.59	1.26	0.4511	0.4059	0.1428	0.0					

DEJ70-7N

TUB-test chart DEJ7; Ostwald optimal colours, Y_{N,10}=3,6, Y_{W,10}=90, illuminant A00, CIE-10-degree
Table data: XYZ₁₀ and [YABC_{AB}h_{AB}]₁₀ with different wavelength ranges

Ostwald optimal colours (o), maximum (m) C _{AB,10} for A00, Y _{N,10} =3,6, Y _{W,10} =90, Y _m =520_770													
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀	A ₁₀	B ₁₀	C _{AB,10}	a ₁₀	b ₁₀	h _{xy,10}	i _d , λ _d	i _c , λ _c	Code		
1 405	34 570	43.62	-59.28	-12.86	60.66	0.5676	-0.2587	192.2	17 487	39 597	Cm		
7 435	34 570	43.83	-62.03	-6.63	62.38	0.5451	-0.2012	186.1	18 491	47 637			
9 450	34 571	44.13	-63.68	-2.29	63.72	0.534	-0.1615	182.0	19 495	-1 495c			
12 460	34 572	44.4	-65.53	4.54	65.69	0.5208	-0.0998	176.0	21 505	-1 505c			
13 465	34 573	44.87	-65.79	6.74	66.13	0.5247	-0.0806	174.1	22 512	-1 512c			
14 470	34 574	45.75	-65.76	8.82	66.35	0.5363	-0.0636	172.3	24 520	-1 520c			
15 475	35 576	46.7	-65.0	10.59	65.86	0.5544	-0.05	170.7	25 528	-1 528c	Gm		
16 480	36 581	49.04	-63.37	12.54	64.6	0.5942	-0.0384	168.7	27 537	-1 537c			
17 485	37 588	53.77	-58.52	15.09	60.43	0.6759	-0.0284	165.5	29 547	-1 547c			
18 490	41 609	64.8	-38.35	19.65	43.1	0.8744	-0.0194	152.8	32 561	-1 561c			
19 495	-1 495c	76.7	1.37	24.35	24.39	1.1184	-0.0137	86.7	34 573	13 465			
20 500	-1 500c	75.66	4.22	24.38	24.74	1.1335	-0.0118	80.1	34 573	13 468	max		
21 510	-1 509c	74.4	7.56	24.24	25.39	1.1519	-0.0104	72.6	34 574	14 470			
24 520	-1 520c	69.14	20.36	22.91	30.65	1.229	-0.0081	48.3	35 577	15 476	Ym		
25 530	-1 529c	66.89	25.25	22.22	33.63	1.2622	-0.0078	41.3	35 578	15 477			
27 540	-1 539c	61.69	35.37	20.51	40.88	1.3405	-0.0077	30.1	36 581	16 480			
29 545	-1 545c	55.7	45.06	18.45	48.7	1.4348	-0.0082	22.2	37 585	16 483			
30 550	-1 550c	52.48	49.37	17.32	52.32	1.4875	-0.0087	19.3	37 587	16 484			
31 555	-1 555c	49.13	53.13	16.15	55.53	1.5437	-0.0092	16.9	37 589	17 485			
32 560	-1 560c	45.69	56.17	14.94	58.12	1.6029	-0.0099	14.8	38 592	17 486			
34 570	1 405	46.37	59.28	12.86	60.66	1.6225	-0.0298	12.2	39 597	17 487	Rm		
34 570	7 435	46.16	62.02	6.63	62.38	1.6486	-0.0832	6.1	47 637	18 491			
34 571	9 450	45.86	63.67	2.29	63.71	1.6666	-0.1207	2.0	-1 495c	19 495			
34 572	12 460	45.59	65.52	-4.54	65.68	1.6861	-0.1806	356.0	-1 505c	21 505			
34 573	13 465	45.12	65.78	-6.74	66.12	1.6943	-0.2005	354.1	-1 512c	22 512			
34 574	14 470	44.24	65.75	-8.82	66.34	1.7057	-0.2205	352.3	-1 520c	24 520			
35 576	15 475	43.29	64.99	-10.59	65.85	1.7116	-0.2386	350.7	-1 528c	25 528	Mm		
36 581	16 480	40.95	63.36	-12.54	64.59	1.73	-0.2632	348.7	-1 537c	27 537			
37 588	17 485	36.22	58.5	-15.09	60.42	1.7573	-0.3074	345.5	-1 547c	29 547			
41 609	18 490	25.19	38.35	-19.65	43.09	1.7202	-0.4528	332.8	-1 561c	32 561			
-1 495c	19 495	13.29	-1.37	-24.35	24.39	1.0697	-0.8734	266.7	13 465	34 573			
-1 500c	20 500	14.33	-4.22	-24.38	24.74	0.9934	-0.8209	260.1	13 468	34 573	min		
-1 509c	21 510	15.59	-7.56	-24.23	25.38	0.9171	-0.7624	252.6	14 470	34 574			
-1 520c	24 520	20.85	-20.35	-22.91	30.65	0.7207	-0.5802	228.3	15 476	35 577	Bm		
-1 529c	25 530	23.1	-25.24	-22.22	33.63	0.674	-0.5254	221.3	15 477	35 578			
-1 539c	27 540	28.3	-35.36	-20.51	40.88	0.6113	-0.4306	210.1	16 480	36 581			
-1 545c	29 545	34.29	-45.06	-18.45	48.7	0.5855	-0.356	202.2	16 483	37 585			
-1 550c	30 550	37.51	-49.37	-17.32	52.32	0.5847	-0.3255	199.3	16 484	37 587			
-1 555c	31 555	40.86	-53.13	-16.15	55.53	0.591	-0.2988	196.9	17 485	37 589			
-1 560c	32 560	44.3	-56.17	-14.94	58.12	0.604	-0.2756	194.8	17 486	38 592			
W0 380	770	89.99	0.0	0.0	0.0	1.1112	-0.1407	0.0	B _c =1,000				
N0 380	770	3.59	0.0	0.0	0.0	1.1112	-0.1407	0.0	x _c =0,000				

DEJ71-7N

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application for evaluation and measurement of display or print output

TUB material: code=rha4ta