

# 板ガラスの光学的性能・熱的性能

表6 遮熱低放射複層ガラス (ペアレックスツインガード/ペアレックスツインガードG)

品 種	品種構成・品略	呼び厚さ (ミリ)	光 学 的 性 能							熱 的 性 能				
			可 視 光			日 射			紫外線 透過率 %	熱貫流率 W/m <sup>2</sup> ·K {kcal/m <sup>2</sup> ·h·°C}		遮蔽 係数 S C	日射熱 取得率 η	
			透過率 %	反射率%		透過率 %	反射率%	吸収率 %						
ペアレックスツインガード	フロート	Low-E3+A6+FL3	12	70.8	20.0	16.5	50.1	28.0	21.9	26.7	2.6	{2.2}	0.63	0.55
		Low-E3+A12+FL3	18								1.8	{1.5}	0.62	0.55
		Low-E4+A6+FL4	14	70.1	19.8	16.3	48.3	26.8	24.9	25.0	2.6	{2.2}	0.62	0.54
		Low-E4+A12+FL4	20								1.8	{1.5}	0.61	0.54
		Low-E5+A6+FL5	16	69.4	19.7	16.2	46.6	25.7	27.7	23.6	2.6	{2.2}	0.61	0.54
		Low-E5+A12+FL5	22								1.8	{1.5}	0.60	0.53
		Low-E6+A6+FL6	18	68.7	19.5	16.1	45.0	24.7	30.3	22.4	2.6	{2.2}	0.60	0.53
		Low-E6+A12+FL6	24								1.8	{1.5}	0.59	0.52
		Low-E8+A6+FL8	22	67.3	19.2	15.8	42.1	22.8	35.1	20.3	2.6	{2.2}	0.58	0.51
		Low-E8+A12+FL8	28								1.8	{1.5}	0.57	0.50
		Low-E10+A6+FL10	26	66.0	18.9	15.6	39.6	21.1	39.3	18.5	2.5	{2.1}	0.57	0.50
		Low-E10+A12+FL10	32								1.8	{1.5}	0.56	0.49
	Low-E12+A6+FL12	30	64.7	18.5	15.3	37.2	19.7	43.1	17.0	2.5	{2.1}	0.55	0.49	
	Low-E12+A12+FL12	36								1.8	{1.5}	0.54	0.48	
	網入	Low-E3+A6+PWH6.8	15.8	65.6	20.0	15.4	44.3	28.0	27.7	22.0	2.6	{2.2}	0.61	0.53
		Low-E3+A12+PWH6.8	21.8								1.8	{1.5}	0.61	0.53
		Low-E4+A6+PWH6.8	16.8	65.2	19.9	15.4	43.5	26.8	29.7	21.4	2.6	{2.2}	0.60	0.53
		Low-E4+A12+PWH6.8	22.8								1.8	{1.5}	0.60	0.53
		Low-E5+A6+PWH6.8	17.8	64.9	19.8	15.4	42.8	25.7	31.5	20.9	2.6	{2.2}	0.59	0.52
		Low-E5+A12+PWH6.8	23.8								1.8	{1.5}	0.59	0.52
		Low-E6+A6+PWH6.8	18.8	64.6	19.6	15.3	42.0	24.7	33.3	20.4	2.6	{2.2}	0.59	0.52
		Low-E6+A12+PWH6.8	24.8								1.8	{1.5}	0.58	0.51
		Low-E8+A6+PWH6.8	20.8	63.9	19.3	15.3	40.7	22.9	36.4	19.5	2.6	{2.2}	0.58	0.51
		Low-E8+A12+PWH6.8	26.8								1.8	{1.5}	0.57	0.50
		Low-E10+A6+PWH6.8	22.8	63.3	19.0	15.3	39.4	21.3	39.3	18.6	2.5	{2.1}	0.56	0.50
		Low-E10+A12+PWH6.8	28.8								1.8	{1.5}	0.55	0.49
		Low-E8+A6+PWH10	24	62.7	19.2	14.9	38.5	22.8	38.7	18.0	2.5	{2.1}	0.57	0.50
		Low-E8+A12+PWH10	30								1.8	{1.5}	0.56	0.50
	Low-E10+A6+PWH10	26	62.1	19.0	14.9	37.3	21.2	41.5	17.2	2.5	{2.1}	0.56	0.49	
	Low-E10+A12+PWH10	32								1.8	{1.5}	0.55	0.48	
	Low-E12+A6+PWH10	28	61.5	18.7	14.9	36.2	19.8	44.0	16.6	2.5	{2.1}	0.55	0.48	
	Low-E12+A12+PWH10	34								1.8	{1.5}	0.54	0.47	
	フロート	Low-E3+A6+FL3	12	77.9	12.4	11.7	56.3	20.7	23.0	22.0	2.6	{2.2}	0.70	0.62
		Low-E3+A12+FL3	18								1.9	{1.6}	0.70	0.61
		Low-E4+A6+FL4	14	77.1	12.3	11.6	54.3	19.8	25.9	20.7	2.6	{2.2}	0.69	0.61
		Low-E4+A12+FL4	20								1.9	{1.6}	0.68	0.60
Low-E5+A6+FL5		16	76.4	12.2	11.5	52.4	19.0	28.6	19.6	2.6	{2.2}	0.68	0.60	
Low-E5+A12+FL5		22								1.8	{1.5}	0.67	0.59	
Low-E6+A6+FL6		18	75.6	12.1	11.4	50.6	18.2	31.2	18.7	2.6	{2.2}	0.67	0.59	
Low-E6+A12+FL6		24								1.8	{1.5}	0.66	0.58	
Low-E8+A6+FL8		22	74.1	11.9	11.2	47.3	16.8	35.9	17.0	2.6	{2.2}	0.65	0.57	
Low-E8+A12+FL8		28								1.8	{1.5}	0.64	0.56	
Low-E10+A6+FL10		26	72.7	11.7	11.1	44.4	15.5	40.1	15.6	2.5	{2.1}	0.63	0.55	
Low-E10+A12+FL10		32								1.8	{1.5}	0.62	0.55	
Low-E12+A6+FL12		30	71.3	11.5	10.9	41.7	14.5	43.8	14.4	2.5	{2.1}	0.61	0.54	
Low-E12+A12+FL12		36								1.8	{1.5}	0.60	0.53	
網入	Low-E3+A6+PWH6.8	15.8	72.2	12.4	11.3	49.7	20.6	29.7	18.4	2.6	{2.2}	0.68	0.60	
	Low-E3+A12+PWH6.8	21.8								1.8	{1.5}	0.68	0.60	
	Low-E4+A6+PWH6.8	16.8	71.8	12.3	11.3	48.9	19.8	31.3	17.9	2.6	{2.2}	0.67	0.59	
	Low-E4+A12+PWH6.8	22.8								1.8	{1.5}	0.67	0.59	
	Low-E5+A6+PWH6.8	17.8	71.5	12.3	11.3	48.0	19.0	33.0	17.5	2.6	{2.2}	0.66	0.58	
	Low-E5+A12+PWH6.8	23.8								1.8	{1.5}	0.66	0.58	
	Low-E6+A6+PWH6.8	18.8	71.1	12.2	11.2	47.2	18.2	34.6	17.1	2.6	{2.2}	0.66	0.58	
	Low-E6+A12+PWH6.8	24.8								1.8	{1.5}	0.65	0.57	
	Low-E8+A6+PWH6.8	20.8	70.4	12.1	11.2	45.6	16.9	37.5	16.4	2.6	{2.2}	0.64	0.56	
	Low-E8+A12+PWH6.8	26.8								1.8	{1.5}	0.63	0.56	
	Low-E10+A6+PWH6.8	22.8	69.7	11.9	11.1	44.2	15.7	40.1	15.7	2.6	{2.2}	0.63	0.55	
	Low-E10+A12+PWH6.8	28.8								1.8	{1.5}	0.62	0.54	
	Low-E8+A6+PWH10	24	69.1	12.0	10.9	43.2	16.8	40.0	15.2	2.6	{2.2}	0.63	0.56	
	Low-E8+A12+PWH10	30								1.8	{1.5}	0.63	0.55	
Low-E10+A6+PWH10	26	68.4	11.8	10.9	41.9	15.6	42.5	14.6	2.5	{2.1}	0.62	0.54		
Low-E10+A12+PWH10	32								1.8	{1.5}	0.61	0.54		
Low-E12+A6+PWH10	28	67.7	11.7	10.9	40.6	14.6	44.8	14.1	2.5	{2.1}	0.61	0.53		
Low-E12+A12+PWH10	34								1.8	{1.5}	0.60	0.53		

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品 種	品種構成・品略	呼び厚さ (ミリ)	光 学 的 性 能							熱 的 性 能												
			可 視 光			日 射			紫外線 透過率 %	熱貫流率 W/m <sup>2</sup> ·K {kcal/m <sup>2</sup> ·h·°C}		遮蔽 係数 S C	日射熱 取得率 η									
			透過率 %	反射率%		透過率 %	反射率%	吸収率 %														
ペアレックスツインガード	ブルー	フロート	Low-E5+A6+FL5	16	68.1	12.3	13.6	32.6	33.4	34.0	8.0	2.5	{2.1}	0.44	0.39							
			Low-E5+A12+FL5	22								1.6	{1.4}	0.42	0.37							
			Low-E6+A6+FL6	18								67.5	12.2	13.5	31.9	31.7	36.4	7.6	2.5	{2.1}	0.44	0.39
			Low-E6+A12+FL6	24															1.6	{1.4}	0.42	0.37
			Low-E8+A6+FL8	22								66.2	12.1	13.3	30.6	28.6	40.8	7.0	2.4	{2.1}	0.44	0.38
			Low-E8+A12+FL8	28															1.6	{1.4}	0.42	0.37
			Low-E10+A6+FL10	26								64.9	11.9	13.1	29.3	25.9	44.8	6.5	2.4	{2.1}	0.43	0.38
			Low-E10+A12+FL10	32															1.6	{1.4}	0.41	0.36
			Low-E12+A6+FL12	30								63.6	11.7	12.9	28.2	23.5	48.3	6.1	2.4	{2.1}	0.43	0.38
		Low-E12+A12+FL12	36	1.6	{1.4}	0.41	0.36															
		網入	Low-E5+A6+PWH6.8	17.8	63.8	12.4	13.1	30.2	33.5	36.3	7.2	2.5	{2.1}	0.43	0.38							
			Low-E5+A12+PWH6.8	23.8								1.6	{1.4}	0.42	0.37							
			Low-E6+A6+PWH6.8	18.8	63.5	12.4	13.1	29.9	31.7	38.4	7.1	2.5	{2.1}	0.43	0.38							
			Low-E6+A12+PWH6.8	24.8								1.6	{1.4}	0.42	0.37							
			Low-E8+A6+PWH6.8	20.8	62.8	12.2	13.1	29.2	28.6	42.2	6.8	2.4	{2.1}	0.43	0.38							
			Low-E8+A12+PWH6.8	26.8								1.6	{1.4}	0.41	0.36							
			Low-E10+A6+PWH6.8	22.8	62.2	12.1	13.0	28.6	25.9	45.5	6.5	2.4	{2.1}	0.43	0.38							
			Low-E10+A12+PWH6.8	28.8								1.6	{1.4}	0.41	0.36							
	Low-E8+A6+PWH10		24	61.7	12.1	12.8	28.2	28.6	43.2	6.4	2.4	{2.1}	0.43	0.38								
	Low-E8+A12+PWH10		30								1.6	{1.4}	0.41	0.36								
	Low-E10+A6+PWH10		26	61.1	12.0	12.7	27.7	25.9	46.4	6.1	2.4	{2.1}	0.43	0.37								
	Low-E10+A12+PWH10		32								1.6	{1.4}	0.41	0.36								
	Low-E12+A6+PWH10	28	60.5	11.9	12.7	27.1	23.6	49.3	5.9	2.4	{2.1}	0.42	0.37									
	Low-E12+A12+PWH10	34								1.6	{1.4}	0.40	0.36									
	グリーン	フロート	Low-E3+A6+FL3	12	68.8	12.9	14.6	34.1	37.2	28.7	10.0	2.5	{2.1}	0.44	0.39							
			Low-E3+A12+FL3	18								1.6	{1.4}	0.43	0.38							
			Low-E4+A6+FL4	14	68.1	12.8	14.5	33.3	35.2	31.5	9.5	2.5	{2.1}	0.44	0.39							
			Low-E4+A12+FL4	20								1.6	{1.4}	0.43	0.38							
			Low-E5+A6+FL5	16	67.4	12.7	14.4	32.6	33.3	34.1	9.1	2.5	{2.1}	0.44	0.39							
			Low-E5+A12+FL5	22								1.6	{1.4}	0.42	0.37							
			Low-E6+A6+FL6	18	66.8	12.6	14.2	31.9	31.6	36.5	8.7	2.5	{2.1}	0.44	0.39							
			Low-E6+A12+FL6	24								1.6	{1.4}	0.42	0.37							
			Low-E8+A6+FL8	22	65.5	12.4	14.0	30.6	28.4	41.0	8.0	2.4	{2.1}	0.44	0.38							
			Low-E8+A12+FL8	28								1.6	{1.4}	0.42	0.37							
			Low-E10+A6+FL10	26	64.2	12.2	13.8	29.3	25.7	45.0	7.4	2.4	{2.1}	0.43	0.38							
			Low-E10+A12+FL10	32								1.6	{1.4}	0.41	0.36							
Low-E12+A6+FL12		30	63.0	12.1	13.6	28.2	23.4	48.4	6.9	2.4	{2.1}	0.43	0.38									
Low-E12+A12+FL12		36								1.6	{1.4}	0.41	0.36									
網入		Low-E3+A6+PWH6.8	15.8	63.7	12.9	13.8	30.9	37.2	31.9	8.5	2.5	{2.1}	0.43	0.38								
		Low-E3+A12+PWH6.8	21.8								1.6	{1.4}	0.42	0.37								
		Low-E4+A6+PWH6.8	16.8	63.4	12.9	13.8	30.5	35.2	34.3	8.4	2.5	{2.1}	0.43	0.38								
		Low-E4+A12+PWH6.8	22.8								1.6	{1.4}	0.42	0.37								
		Low-E5+A6+PWH6.8	17.8	63.1	12.8	13.8	30.2	33.4	36.4	8.2	2.5	{2.1}	0.43	0.38								
		Low-E5+A12+PWH6.8	23.8								1.6	{1.4}	0.42	0.37								
		Low-E6+A6+PWH6.8	18.8	62.8	12.7	13.7	29.9	31.6	38.5	8.0	2.4	{2.1}	0.43	0.38								
		Low-E6+A12+PWH6.8	24.8								1.6	{1.4}	0.42	0.37								
		Low-E8+A6+PWH6.8	20.8	62.2	12.6	13.7	29.2	28.5	42.3	7.7	2.4	{2.1}	0.43	0.38								
		Low-E8+A12+PWH6.8	26.8								1.6	{1.4}	0.41	0.36								
	Low-E10+A6+PWH6.8	22.8	61.6	12.4	13.7	28.6	25.8	45.6	7.4	2.4	{2.1}	0.43	0.38									
	Low-E10+A12+PWH6.8	28.8								1.6	{1.4}	0.41	0.36									
Low-E8+A6+PWH10	24	61.0	12.5	13.4	28.2	28.5	43.3	7.2	2.4	{2.1}	0.43	0.38										
Low-E8+A12+PWH10	30								1.6	{1.4}	0.41	0.36										
Low-E10+A6+PWH10	26	60.4	12.3	13.3	27.6	25.8	46.6	7.0	2.4	{2.1}	0.43	0.37										
Low-E10+A12+PWH10	32								1.6	{1.4}	0.41	0.36										
Low-E12+A6+PWH10	28	59.8	12.2	13.3	27.1	23.4	49.5	6.7	2.4	{2.1}	0.42	0.37										
Low-E12+A12+PWH10	34								1.6	{1.4}	0.40	0.36										

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品 種	品種構成・品略	呼び厚さ (ミリ)	光 学 的 性 能							熱 的 性 能						
			可 視 光			日 射			紫外線 透過率 %	熱貫流率 W/m <sup>2</sup> ·K {kcal/m <sup>2</sup> ·h·°C}		遮蔽 係数 S C	日射熱 取得率 η			
			透過率 %	反射率%		透過率 %	反射率%	吸収率 %								
ペアレックスツインガード 遮熱低放射複層ガラス	ルミナスブルー	フロート	Low-E5+A6+FL5	16								2.5	{2.1}	0.34	0.30	
			Low-E5+A12+FL5	22	52.9	23.8	25.3	22.7	36.0	41.3	5.3	1.6	{1.4}	0.32	0.28	
			Low-E6+A6+FL6	18									2.5	{2.1}	0.34	0.30
			Low-E6+A12+FL6	24	52.3	23.6	25.1	22.3	34.3	43.4	5.1	1.6	{1.4}	0.31	0.28	
			Low-E8+A6+FL8	22									2.4	{2.1}	0.34	0.30
			Low-E8+A12+FL8	28	51.3	23.2	24.6	21.4	31.3	47.3	4.7	1.6	{1.4}	0.31	0.27	
		Low-E10+A6+FL10	26									2.4	{2.1}	0.34	0.30	
		Low-E10+A12+FL10	32	50.3	22.9	24.2	20.7	28.7	50.6	4.3	1.6	{1.4}	0.31	0.27		
		Low-E12+A6+FL12	30									2.4	{2.1}	0.33	0.29	
		Low-E12+A12+FL12	36	49.3	22.5	23.8	20.0	26.4	53.6	4.0	1.6	{1.4}	0.31	0.27		
		網入	Low-E5+A6+PWH6.8	17.8									2.5	{2.1}	0.33	0.29
			Low-E5+A12+PWH6.8	23.8	49.5	23.8	23.3	21.1	36.0	42.9	4.8	1.6	{1.4}	0.31	0.27	
	Low-E6+A6+PWH6.8		18.8									2.5	{2.1}	0.33	0.29	
	Low-E6+A12+PWH6.8		24.8	49.2	23.7	23.3	20.9	34.3	44.8	4.7	1.6	{1.4}	0.31	0.27		
	Low-E8+A6+PWH6.8		20.8									2.5	{2.1}	0.33	0.29	
	Low-E8+A12+PWH6.8		26.8	48.8	23.3	23.3	20.5	31.3	48.2	4.5	1.6	{1.4}	0.31	0.27		
	Low-E10+A6+PWH6.8		22.8									2.4	{2.1}	0.33	0.29	
	Low-E10+A12+PWH6.8		28.8	48.3	23.0	23.3	20.1	28.7	51.2	4.4	1.6	{1.4}	0.31	0.27		
	Low-E8+A6+PWH10		24									2.4	{2.1}	0.33	0.29	
	Low-E8+A12+PWH10		30	47.8	23.3	22.6	19.8	31.3	48.9	4.2	1.6	{1.4}	0.31	0.27		
	Low-E10+A6+PWH10		26									2.4	{2.1}	0.33	0.29	
	Low-E10+A12+PWH10		32	47.4	22.9	22.6	19.5	28.7	51.8	4.1	1.6	{1.4}	0.31	0.27		
	Low-E12+A6+PWH10	28									2.4	{2.1}	0.33	0.29		
	Low-E12+A12+PWH10	34	46.9	22.6	22.5	19.1	26.4	54.5	3.9	1.6	{1.4}	0.31	0.27			
グレー	フロート	Low-E5+A6+FL5	16								2.5	{2.2}	0.38	0.33		
		Low-E5+A12+FL5	22	41.5	7.7	26.1	23.9	21.7	54.4	8.3	1.7	{1.5}	0.35	0.31		
		Low-E6+A6+FL6	18									2.5	{2.2}	0.38	0.33	
		Low-E6+A12+FL6	24	41.1	7.7	25.9	23.2	20.7	56.1	7.9	1.7	{1.5}	0.35	0.31		
		Low-E8+A6+FL8	22									2.5	{2.2}	0.37	0.33	
		Low-E8+A12+FL8	28	40.3	7.6	25.4	22.0	18.8	59.2	7.3	1.7	{1.5}	0.34	0.30		
		Low-E10+A6+FL10	26									2.5	{2.2}	0.37	0.32	
		Low-E10+A12+FL10	32	39.5	7.5	25.0	20.8	17.1	62.1	6.8	1.7	{1.5}	0.34	0.30		
		Low-E12+A6+FL12	30									2.4	{2.1}	0.36	0.32	
		Low-E12+A12+FL12	36	38.7	7.5	24.6	19.8	15.7	64.5	6.3	1.7	{1.5}	0.33	0.29		
		網入	Low-E5+A6+PWH6.8	17.8									2.5	{2.2}	0.37	0.33
			Low-E5+A12+PWH6.8	23.8	38.8	7.8	24.0	22.0	21.7	56.3	7.5	1.7	{1.5}	0.35	0.31	
	Low-E6+A6+PWH6.8		18.8									2.5	{2.2}	0.37	0.33	
	Low-E6+A12+PWH6.8		24.8	38.6	7.7	24.0	21.7	20.7	57.6	7.3	1.7	{1.5}	0.35	0.30		
	Low-E8+A6+PWH6.8		20.8									2.5	{2.2}	0.37	0.32	
	Low-E8+A12+PWH6.8		26.8	38.3	7.7	24.0	21.1	18.8	60.1	7.1	1.7	{1.5}	0.34	0.30		
	Low-E10+A6+PWH6.8		22.8									2.5	{2.2}	0.36	0.32	
	Low-E10+A12+PWH6.8		28.8	37.9	7.6	24.0	20.6	17.2	62.2	6.8	1.7	{1.5}	0.34	0.30		
	Low-E8+A6+PWH10		24									2.5	{2.2}	0.37	0.32	
	Low-E8+A12+PWH10		30	37.5	7.6	23.3	20.2	18.8	61.0	6.6	1.7	{1.5}	0.34	0.30		
	Low-E10+A6+PWH10		26									2.5	{2.2}	0.36	0.32	
	Low-E10+A12+PWH10		32	37.2	7.6	23.3	19.7	17.2	63.2	6.4	1.7	{1.5}	0.33	0.29		
	Low-E12+A6+PWH10	28									2.5	{2.2}	0.36	0.32		
	Low-E12+A12+PWH10	34	36.8	7.5	23.2	19.2	15.7	65.1	6.1	1.7	{1.5}	0.33	0.29			

# 板ガラスの光学的性能・熱的性能

表6 遮熱低放射複層ガラス (ペアレックスツインガード/ペアレックスツインガードG)

品 種	品種構成・品略	呼び厚さ (ミリ)	光 学 的 性 能							熱 的 性 能					
			可 視 光			日 射			紫外線 透過率 %	熱貫流率 W/m <sup>2</sup> ·K {kcal/m <sup>2</sup> ·h·°C}		遮蔽 係数 S C	日射熱 取得率 η		
			透過率 %	反射率%		透過率 %	反射率%	吸収率 %							
遮熱低放射複層ガラス(ガス入り)	ペアレックスツインガードG シルバー	フロート	Low-E3+G6+FL3	12	70.8	20.0	16.5	50.1	28.0	21.9	26.7	2.2	{1.9}	0.62	0.55
			Low-E3+G12+FL3	18								1.5	{1.3}	0.62	0.54
			Low-E4+G6+FL4	14	70.1	19.8	16.3	48.3	26.8	24.9	25.0	2.2	{1.9}	0.61	0.54
			Low-E4+G12+FL4	20								1.5	{1.3}	0.61	0.53
			Low-E5+G6+FL5	16	69.4	19.7	16.2	46.6	25.7	27.7	23.6	2.2	{1.9}	0.60	0.53
			Low-E5+G12+FL5	22								1.5	{1.3}	0.60	0.53
			Low-E6+G6+FL6	18	68.7	19.5	16.1	45.0	24.7	30.3	22.4	2.2	{1.9}	0.59	0.52
			Low-E6+G12+FL6	24								1.5	{1.3}	0.59	0.52
			Low-E8+G6+FL8	22	67.3	19.2	15.8	42.1	22.8	35.1	20.3	2.2	{1.9}	0.58	0.51
			Low-E8+G12+FL8	28								1.5	{1.3}	0.57	0.50
			Low-E10+G6+FL10	26	66.0	18.9	15.6	39.6	21.1	39.3	18.5	2.1	{1.8}	0.56	0.49
			Low-E10+G12+FL10	32								1.5	{1.3}	0.55	0.49
	Low-E12+G6+FL12	30	64.7	18.5	15.3	37.2	19.7	43.1	17.0	2.1	{1.8}	0.55	0.48		
	Low-E12+G12+FL12	36								1.5	{1.3}	0.54	0.47		
	ペアレックスツインガード シルバー	網入	Low-E3+G6+PWH6.8	15.8	65.6	20.0	15.4	44.3	28.0	27.7	22.0	2.2	{1.9}	0.61	0.53
			Low-E3+G12+PWH6.8	21.8								1.5	{1.3}	0.61	0.53
			Low-E4+G6+PWH6.8	16.8	65.2	19.9	15.4	43.5	26.8	29.7	21.4	2.2	{1.9}	0.60	0.53
			Low-E4+G12+PWH6.8	22.8								1.5	{1.3}	0.60	0.53
			Low-E5+G6+PWH6.8	17.8	64.9	19.8	15.4	42.8	25.7	31.5	20.9	2.2	{1.9}	0.59	0.52
			Low-E5+G12+PWH6.8	23.8								1.5	{1.3}	0.59	0.52
			Low-E6+G6+PWH6.8	18.8	64.6	19.6	15.3	42.0	24.7	33.3	20.4	2.2	{1.9}	0.59	0.52
			Low-E6+G12+PWH6.8	24.8								1.5	{1.3}	0.58	0.51
			Low-E8+G6+PWH6.8	20.8	63.9	19.3	15.3	40.7	22.9	36.4	19.5	2.2	{1.9}	0.57	0.50
			Low-E8+G12+PWH6.8	26.8								1.5	{1.3}	0.57	0.50
Low-E10+G6+PWH6.8			22.8	63.3	19.0	15.3	39.4	21.3	39.3	18.6	2.2	{1.9}	0.56	0.49	
Low-E10+G12+PWH6.8			28.8								1.5	{1.3}	0.55	0.49	
Low-E8+G6+PWH10	24	62.7	19.2	14.9	38.5	22.8	38.7	18.0	2.1	{1.8}	0.57	0.50			
Low-E8+G12+PWH10	30								1.5	{1.3}	0.56	0.50			
Low-E10+G6+PWH10	26	62.1	19.0	14.9	37.3	21.2	41.5	17.2	2.1	{1.8}	0.55	0.49			
Low-E10+G12+PWH10	32								1.5	{1.3}	0.55	0.48			
Low-E12+G6+PWH10	28	61.5	18.7	14.9	36.2	19.8	44.0	16.6	2.1	{1.8}	0.54	0.48			
Low-E12+G12+PWH10	34								1.5	{1.3}	0.53	0.47			

# 板ガラスの光学的性能・熱的性能

表6 遮熱低放射複層ガラス（ペアレックスツインガード/ペアレックスツインガードG）

品 種	品種構成・品略	呼び厚さ (ミリ)	光 学 的 性 能							熱 的 性 能						
			可 視 光			日 射			紫外線 透過率 %	熱貫流率 W/m <sup>2</sup> ·K {kcal/m <sup>2</sup> ·h·°C}		遮蔽 係数 S C	日射熱 取得率 η			
			透過率 %	反射率%		透過率 %	反射率%	吸収率 %								
ペアレックスツインガードG (遮熱低放射複層ガラス(ガス入り))	フロード	Low-E3+G6+FL3	12								2.2	{1.9}	0.70	0.62		
		Low-E3+G12+FL3	18	77.9	12.4	11.7	56.3	20.7	23.0	22.0	1.6	{1.4}	0.69	0.61		
		Low-E4+G6+FL4	14									2.2	{1.9}	0.69	0.60	
		Low-E4+G12+FL4	20	77.1	12.3	11.6	54.3	19.8	25.9	20.7	1.5	{1.3}	0.68	0.60		
		Low-E5+G6+FL5	16									2.2	{1.9}	0.68	0.59	
		Low-E5+G12+FL5	22	76.4	12.2	11.5	52.4	19.0	28.6	19.6	1.5	{1.3}	0.67	0.59		
		Low-E6+G6+FL6	18									2.2	{1.9}	0.66	0.58	
		Low-E6+G12+FL6	24	75.6	12.1	11.4	50.6	18.2	31.2	18.7	1.5	{1.3}	0.66	0.58		
		Low-E8+G6+FL8	22									2.2	{1.9}	0.64	0.57	
		Low-E8+G12+FL8	28	74.1	11.9	11.2	47.3	16.8	35.9	17.0	1.5	{1.3}	0.64	0.56		
		Low-E10+G6+FL10	26									2.2	{1.9}	0.62	0.55	
		Low-E10+G12+FL10	32	72.7	11.7	11.1	44.4	15.5	40.1	15.6	1.5	{1.3}	0.62	0.54		
		Low-E12+G6+FL12	30									2.1	{1.8}	0.61	0.53	
		Low-E12+G12+FL12	36	71.3	11.5	10.9	41.7	14.5	43.8	14.4	1.5	{1.3}	0.60	0.53		
	クリア	網入	Low-E3+G6+PWH6.8	15.8								2.2	{1.9}	0.68	0.60	
			Low-E3+G12+PWH6.8	21.8	72.2	12.4	11.3	49.7	20.6	29.7	18.4	1.5	{1.3}	0.68	0.60	
			Low-E4+G6+PWH6.8	16.8									2.2	{1.9}	0.67	0.59
			Low-E4+G12+PWH6.8	22.8	71.8	12.3	11.3	48.9	19.8	31.3	17.9	1.5	{1.3}	0.67	0.59	
			Low-E5+G6+PWH6.8	17.8									2.2	{1.9}	0.66	0.58
			Low-E5+G12+PWH6.8	23.8	71.5	12.3	11.3	48.0	19.0	33.0	17.5	1.5	{1.3}	0.66	0.58	
			Low-E6+G6+PWH6.8	18.8									2.2	{1.9}	0.65	0.58
			Low-E6+G12+PWH6.8	24.8	71.1	12.2	11.2	47.2	18.2	34.6	17.1	1.5	{1.3}	0.65	0.57	
			Low-E8+G6+PWH6.8	20.8									2.2	{1.9}	0.64	0.56
			Low-E8+G12+PWH6.8	26.8	70.4	12.1	11.2	45.6	16.9	37.5	16.4	1.5	{1.3}	0.63	0.56	
			Low-E10+G6+PWH6.8	22.8									2.2	{1.9}	0.62	0.55
			Low-E10+G12+PWH6.8	28.8	69.7	11.9	11.1	44.2	15.7	40.1	15.7	1.5	{1.3}	0.62	0.54	
			Low-E8+G6+PWH10	24									2.2	{1.9}	0.63	0.56
			Low-E8+G12+PWH10	30	69.1	12.0	10.9	43.2	16.8	40.0	15.2	1.5	{1.3}	0.63	0.55	
			Low-E10+G6+PWH10	26									2.2	{1.9}	0.62	0.54
			Low-E10+G12+PWH10	32	68.4	11.8	10.9	41.9	15.6	42.5	14.6	1.5	{1.3}	0.61	0.54	
	Low-E12+G6+PWH10	28									2.1	{1.8}	0.60	0.53		
	Low-E12+G12+PWH10	34	67.7	11.7	10.9	40.6	14.6	44.8	14.1	1.5	{1.3}	0.60	0.52			
	ブルー	フロード	Low-E5+G6+FL5	16								2.0	{1.7}	0.43	0.38	
			Low-E5+G12+FL5	22	68.1	12.3	13.6	32.6	33.4	34.0	8.0	1.3	{1.1}	0.42	0.37	
			Low-E6+G6+FL6	18									2.0	{1.7}	0.43	0.38
			Low-E6+G12+FL6	24	67.5	12.2	13.5	31.9	31.7	36.4	7.6	1.3	{1.1}	0.42	0.37	
			Low-E8+G6+FL8	22									2.0	{1.7}	0.43	0.37
			Low-E8+G12+FL8	28	66.2	12.1	13.3	30.6	28.6	40.8	7.0	1.3	{1.1}	0.41	0.36	
			Low-E10+G6+FL10	26									2.0	{1.7}	0.42	0.37
			Low-E10+G12+FL10	32	64.9	11.9	13.1	29.3	25.9	44.8	6.5	1.3	{1.1}	0.40	0.36	
			Low-E12+G6+FL12	30									2.0	{1.7}	0.42	0.37
		Low-E12+G12+FL12	36	63.6	11.7	12.9	28.2	23.5	48.3	6.1	1.3	{1.1}	0.40	0.35		
網入		Low-E5+G6+PWH6.8	17.8									2.0	{1.7}	0.43	0.37	
		Low-E5+G12+PWH6.8	23.8	63.8	12.4	13.1	30.2	33.5	36.3	7.2	1.3	{1.1}	0.41	0.36		
		Low-E6+G6+PWH6.8	18.8									2.0	{1.7}	0.42	0.37	
		Low-E6+G12+PWH6.8	24.8	63.5	12.4	13.1	29.9	31.7	38.4	7.1	1.3	{1.1}	0.41	0.36		
		Low-E8+G6+PWH6.8	20.8									2.0	{1.7}	0.42	0.37	
		Low-E8+G12+PWH6.8	26.8	62.8	12.2	13.1	29.2	28.6	42.2	6.8	1.3	{1.1}	0.41	0.36		
		Low-E10+G6+PWH6.8	22.8									2.0	{1.7}	0.42	0.37	
		Low-E10+G12+PWH6.8	28.8	62.2	12.1	13.0	28.6	25.9	45.5	6.5	1.3	{1.1}	0.40	0.35		
	Low-E8+G6+PWH10	24									2.0	{1.7}	0.42	0.37		
	Low-E8+G12+PWH10	30	61.7	12.1	12.8	28.2	28.6	43.2	6.4	1.3	{1.1}	0.41	0.36			
	Low-E10+G6+PWH10	26									2.0	{1.7}	0.42	0.37		
Low-E10+G12+PWH10	32	61.1	12.0	12.7	27.7	25.9	46.4	6.1	1.3	{1.1}	0.40	0.35				
Low-E12+G6+PWH10	28									2.0	{1.7}	0.41	0.36			
Low-E12+G12+PWH10	34	60.5	11.9	12.7	27.1	23.6	49.3	5.9	1.3	{1.1}	0.40	0.35				



# 板ガラスの光学的性能・熱的性能

表6 遮熱低放射複層ガラス (ペアレックスツインガード/ペアレックスツインガードG)

品 種	品種構成・品略	呼び厚さ (ミリ)	光 学 的 性 能							熱 的 性 能					
			可 視 光			日 射			紫外線 透過率 %	熱貫流率 W/m <sup>2</sup> ·K {kcal/m <sup>2</sup> ·h·°C}		遮蔽 係数 S C	日射熱 取得率 η		
			透過率 %	反射率% OUT	IN	透過率 %	反射率% OUT	吸収率 %							
遮熱低放射複層ガラス(ガス入り) ペアレックスツインガードG グレー	フロート	Low-E5+G6+FL5	16								2.1	{1.8}	0.36	0.32	
		Low-E5+G12+FL5	22	41.5	7.7	26.1	23.9	21.7	54.4	8.3	1.4	{1.2}	0.34	0.30	
		Low-E6+G6+FL6	18									2.1	{1.8}	0.36	0.32
		Low-E6+G12+FL6	24	41.1	7.7	25.9	23.2	20.7	56.1	7.9	1.4	{1.2}	0.34	0.30	
		Low-E8+G6+FL8	22									2.1	{1.8}	0.36	0.31
		Low-E8+G12+FL8	28	40.3	7.6	25.4	22.0	18.8	59.2	7.3	1.4	{1.2}	0.33	0.29	
		Low-E10+G6+FL10	26									2.1	{1.8}	0.35	0.31
		Low-E10+G12+FL10	32	39.5	7.5	25.0	20.8	17.1	62.1	6.8	1.4	{1.2}	0.33	0.29	
		Low-E12+G6+FL12	30									2.0	{1.7}	0.35	0.30
		Low-E12+G12+FL12	36	38.7	7.5	24.6	19.8	15.7	64.5	6.3	1.4	{1.2}	0.32	0.28	
	網入	Low-E5+G6+PWH6.8	17.8									2.1	{1.8}	0.36	0.32
		Low-E5+G12+PWH6.8	23.8	38.8	7.8	24.0	22.0	21.7	56.3	7.5	1.4	{1.2}	0.34	0.30	
		Low-E6+G6+PWH6.8	18.8									2.1	{1.8}	0.36	0.31
		Low-E6+G12+PWH6.8	24.8	38.6	7.7	24.0	21.7	20.7	57.6	7.3	1.4	{1.2}	0.34	0.30	
		Low-E8+G6+PWH6.8	20.8									2.1	{1.8}	0.35	0.31
		Low-E8+G12+PWH6.8	26.8	38.3	7.7	24.0	21.1	18.8	60.1	7.1	1.4	{1.2}	0.33	0.29	
		Low-E10+G6+PWH6.8	22.8									2.1	{1.8}	0.35	0.31
		Low-E10+G12+PWH6.8	28.8	37.9	7.6	24.0	20.6	17.2	62.2	6.8	1.4	{1.2}	0.32	0.29	
		Low-E8+G6+PWH10	24									2.1	{1.8}	0.35	0.31
		Low-E8+G12+PWH10	30	37.5	7.6	23.3	20.2	18.8	61.0	6.6	1.4	{1.2}	0.33	0.29	
Low-E10+G6+PWH10	26									2.1	{1.8}	0.35	0.31		
Low-E10+G12+PWH10	32	37.2	7.6	23.3	19.7	17.2	63.1	6.4	1.4	{1.2}	0.32	0.28			
Low-E12+G6+PWH10	28									2.1	{1.8}	0.34	0.30		
Low-E12+G12+PWH10	34	36.8	7.5	23.2	19.2	15.7	65.1	6.1	1.4	{1.2}	0.32	0.28			

記号説明 FL: フロート板ガラス PW: 網入、線入磨板ガラス Low-E: Low-Eガラス A: 中空層 G: ガス層  
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