

ISOLAR Mehrscheiben-Isolierglas
 Betriebe der ISOLAR Gruppe (siehe www.isolar.de)
 2007



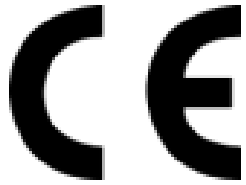
EN 1279-5
 Insulating glass units

AKUSTEX advance

Characteristics:		25/36	27/37	29/38 P4A	29/38	AF 25/39 Kr	AF 28/39
Resistance to fire		NPD	NPD	NPD	NPD	NPD	NPD
Reaction to fire		NPD	NPD	NPD	NPD	NPD	NPD
External fire performance		NPD	NPD	NPD	NPD	NPD	NPD
Bullet resistance		NPD	NPD	NPD	NPD	NPD	NPD
Explosion resistance		NPD	NPD	NPD	NPD	NPD	NPD
Burglar resistance		NPD	NPD	P4A	NPD	NPD	NPD
Pendulum body impact resistance		NPD	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature changes and temperature differentials	K	NPD	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	mm	6-15-:4	8-15-:4	10-15-:4	4:-16-4.4.2	4:-12-4.4.2	4:-16-4.4.1
Direct airborne sound insulation	dB	36 (-2, -5)	37 (-1, -5)	38 (-2, -6)	38 (-2, -7)	39 (-2, -7)	39 (-2, -6)
Thermal properties							
Emissivity		0,03	0,03	0,03	0,03	0,03	0,03
U-value	W/m ² K	1,1	1,1	1,1	1,1	1,0	1,1
Radiation properties							
Light transmission	%	80	79	73	76	76	76
Light reflection	%	14	14	12	15	15	15
Solar energy transmission	%	55	54	46	49	49	49
Solar energy reflection	%	26	24	16	27	27	27
Solar factor	%	61	59	51	60	60	60
Dangerous substances		-	-	-	-	-	-

NPD: No performance determined

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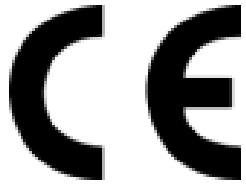
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AKUSTEX advance

Characteristics:		30/39	31/39	AF 27/40 Kr	AF 28/40	33/40	37/41
Resistance to fire		NPD	NPD	NPD	NPD	NPD	NPD
Reaction to fire		NPD	NPD	NPD	NPD	NPD	NPD
External fire performance		NPD	NPD	NPD	NPD	NPD	NPD
Bullet resistance		NPD	NPD	NPD	NPD	NPD	NPD
Explosion resistance		NPD	NPD	NPD	NPD	NPD	NPD
Burglar resistance		NPD	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance		NPD	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature changes and temperature differentials	K	NPD	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	mm	10-16-:4	6-16-4.4.2	6-12-4.4.2	6-16-3.3.1	6-16-5.5.2	8-16-6.6.2
Direct airborne sound insulation	dB	39 (-2, -6)	39 (-2, -6)	40 (-3, -7)	40 (-2, -7)	40 (-1, -5)	41 (-2, -4)
Thermal properties							
Emissivity		0,03	0,03	0,03	0,03	0,03	0,03
U-value	W/m ² K	1,1	1,1	1,0	1,1	1,1	1,1
Radiation properties							
Light transmission	%	79	76	76	76	75	74
Light reflection	%	14	15	15	15	15	14
Solar energy transmission	%	52	48	48	49	46	44
Solar energy reflection	%	23	25	25	25	25	23
Solar factor	%	58	59	59	59	58	57
Dangerous substances		-	-	-	-	-	-

NPD: No performance determined

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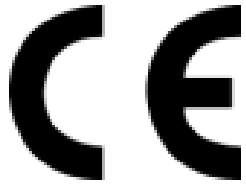
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Characteristics:		AF 30/42	AF 35/43	AF 36/44	AF 34/45	AF 40/45	AF 38/47
Resistance to fire		NPD	NPD	NPD	NPD	NPD	NPD
Reaction to fire		NPD	NPD	NPD	NPD	NPD	NPD
External fire performance		NPD	NPD	NPD	NPD	NPD	NPD
Bullet resistance		NPD	NPD	NPD	NPD	NPD	NPD
Explosion resistance		NPD	NPD	NPD	NPD	NPD	NPD
Burglar resistance		NPD	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance		NPD	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature changes and temperature differentials	K	NPD	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	mm	6:-16-4.4.1	8:-16-5.5.2	8:-20-4.4.1	10:-16-4.4.1	8:-24-4.4.1	4.4.2:-16-6.6.2
Direct airborne sound insulation	dB	42 (-2, -6)	43 (-2, -6)	44 (-3, -8)	45 (-2, -7)	45 (-3, -7)	47 (-2, -6)
Thermal properties							
Emissivity		0,03	0,03	0,03	0,03	0,03	0,03
U-value	W/m ² K	1,1	1,1	1,1	1,1	1,2	1,1
Radiation properties							
Light transmission	%	76	74	75	74	75	71
Light reflection	%	15	14	15	14	15	14
Solar energy transmission	%	48	45	46	45	46	41
Solar energy reflection	%	25	24	24	22	24	18
Solar factor	%	59	57	57	56	57	52
Dangerous substances		-	-	-	-	-	-

NPD: No performance determined

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Characteristics:		AF 42/47	AF 42/49	AF 45/50	AF 46/51	AF 49/52	
Resistance to fire		NPD	NPD	NPD	NPD	NPD	
Reaction to fire		NPD	NPD	NPD	NPD	NPD	
External fire performance		NPD	NPD	NPD	NPD	NPD	
Bullet resistance		NPD	NPD	NPD	NPD	NPD	
Explosion resistance		NPD	NPD	NPD	NPD	NPD	
Burglar resistance		NPD	NPD	NPD	NPD	NPD	
Pendulum body impact resistance		NPD	NPD	NPD	NPD	NPD	
Resistance against sudden temperature changes and temperature differentials	K	NPD	NPD	NPD	NPD	NPD	
Wind, snow, permanent and imposed load resistance	mm	10:-24-4.4.1	4.4.2:-20-6.6.2	4.4.2:-24-6.6.2	4.4.1:-24-6.8.1	4.6.2:-24-6.8.2	
Direct airborne sound insulation	dB	47 (-2, -7)	49 (-2, -7)	50 (-2, -8)	51 (-2, -6)	52 (-2, -6)	
Thermal properties							
Emissivity		0,03	0,03	0,03	0,03	0,03	
U-value	W/m ² K	1,2	1,1	1,2	1,2	1,2	
Radiation properties							
Light transmission	%	74	71	71	70	69	
Light reflection	%	14	14	14	14	13	
Solar energy transmission	%	45	41	41	40	39	
Solar energy reflection	%	22	18	18	18	17	
Solar factor	%	56	52	52	52	50	
Dangerous substances		-	-	-	-	-	-

NPD: No performance determined

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