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EN 14449

Laminated glass and laminated safety glass with the intended uses: in buildings and construction works

Characteristics	5.5.1 10.38	5.5.2 10.76	5.5.3 11.14	5.5.4 11.52	6.6.1 12.38	6.6.2 12.76	6.6.3 13.14	6.6.4 13.52	8.8.1 16.38	8.8.2 16.76	8.8.3 17.14	8.8.4 17.52	10.10.1 20.38	10.10.2 20.76	10.10.3 21.14	10.10.4 21.52
Resistance to fire	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Reaction to fire	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
External fire performance	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Bullet resistance	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Explosion resistance	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Burglar resistance	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Pendulum Body impact resistance	1(B)1	1(B)1	NPD	NPD	NPD	1(B)1	NPD	NPD	NPD	1(B)1	NPD	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature changes and temperature differentials	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
Wind, snow, permanent and imposed load resistance	10	10	10	10	12	12	12	12	16	16	16	16	20	20	20	20
Direct airborne sound insulation (EN 12758) Rw (C, Ctr)	34 (-1;-3)	34 (-1;-3)	34 (-1;-3)	34 (-1;-3)	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Thermal properties (W/m²K) U-value (EN 673)	5,6	5,6	5,6	5,6	5,5	5,5	5,5	5,5	5,4	5,4	5,4	5,4	5,3	5,3	5,3	5,3
Radiation properties, light transmission and reflection (EN 410) (τ _v / ρ _v / ρ _v)	0,87 / 0,08 / 0,08	0,87 / 0,08 / 0,08	0,87 / 0,08 / 0,08	0,87 / 0,08 / 0,08	0,87 / 0,08 / 0,08	0,87 / 0,08 / 0,08	0,87 / 0,08 / 0,08	0,87 / 0,08 / 0,08	0,85 / 0,08 / 0,08	0,85 / 0,08 / 0,08	0,85 / 0,08 / 0,08	0,85 / 0,08 / 0,08	0,84 / 0,08 / 0,08	0,84 / 0,08 / 0,08	0,84 / 0,08 / 0,08	0,84 / 0,08 / 0,08
Radiation properties, solar characteristics (EN 410) (τ _e / ρ _e / ρ _e)	0,72 / 0,07 / 0,07	0,71 / 0,07 / 0,07	0,70 / 0,07 / 0,07	0,69 / 0,07 / 0,07	0,70 / 0,07 / 0,07	0,69 / 0,07 / 0,07	0,68 / 0,07 / 0,07	0,66 / 0,07 / 0,07	0,66 / 0,06 / 0,06	0,65 / 0,06 / 0,06	0,64 / 0,06 / 0,06	0,63 / 0,06 / 0,06	0,62 / 0,06 / 0,06	0,61 / 0,06 / 0,06	0,60 / 0,06 / 0,06	0,59 / 0,06 / 0,06

Above mentioned values are nominal values which are subject to slight variations because of production tolerances. U-values are calculated following EN673, spectrophotometrical values according to EN410.

These are some examples for each subgroup within the Polypane product family. For the product performance of other glass compositions: please look at our commercial product brochures or call our sales department +32 (0)3 7109000