

Pilkington **Optitherm**™ Range Performance Data



Table 1 – Performance Data for Pilkington **Optitherm**™ S1 Plus double IGUs

Product Description Outer pane	Light		Solar Radiant Heat				Total shading coefficient	U _g -value (W/m ² K)
	Transmittance	Reflectance	Direct Transmittance	Reflectance	Absorptance	Total Transmittance (g value)		Argon-filled (90%)
Pilkington Insulight ™ Therm (with 4 mm outer pane, 16 mm argon gas-filled cavity and 4 mm Pilkington Optitherm ™ S1 Plus inner pane)								
Pilkington Optifloat ™ Clear	0.76	0.17	0.49	0.34	0.17	0.56	0.64	1.0
Pilkington Optiwhite ™	0.77	0.18	0.51	0.39	0.10	0.58	0.67	1.0

Performance data determined in accordance with EN 410 and EN 673. Low-e coating on surface 3 (counting from the outside).

Table 2 – Performance Data for Pilkington **Optitherm**™ S1 Plus triple IGUs

Product Description Outer pane	Light		Solar Radiant Heat				Total shading coefficient	U _g -value (W/m ² K)
	Transmittance	Reflectance	Direct Transmittance	Reflectance	Absorptance	Total Transmittance (g value)		Argon-filled (90%)
Pilkington Insulight ™ Therm Triple (with 4 mm outer pane, 16 mm argon gas-filled cavity, 4 mm Pilkington Optitherm ™ S1 Plus mid-pane, 16 mm argon gas-filled cavity and 4 mm Pilkington Optitherm ™ S1 Plus inner pane)								
Pilkington Optifloat ™ Clear	0.65	0.24	0.36	0.40	0.24	0.45	0.52	0.5
Pilkington Optiwhite ™	0.66	0.24	0.37	0.46	0.17	0.47	0.54	0.5

Performance data determined in accordance with EN 410 and EN 673. Low-e coating on surfaces 3 and 5 (counting from the outside).

Table 3 – Performance Data for Pilkington **Optitherm**™ S3 double IGUs

Product Description Outer pane	Light		Solar Radiant Heat				Total shading coefficient	U _g -value (W/m ² K)
	Transmittance	Reflectance	Direct Transmittance	Reflectance	Absorptance	Total Transmittance (g value)		Argon-filled (90%)
Pilkington Insulight ™ Therm (with 4 mm outer pane, 16 mm argon gas-filled cavity and 4 mm Pilkington Optitherm ™ S3 inner pane)								
Pilkington Optifloat ™ Clear	0.80	0.12	0.55	0.27	0.18	0.63	0.72	1.1
Pilkington Optiwhite ™	0.81	0.13	0.58	0.32	0.10	0.66	0.76	1.1

Performance data determined in accordance with EN 410 and EN 673. Low-e coating on surface 3 (counting from the outside).

Table 4 – Performance Data for Pilkington **Optitherm**™ S3 triple IGUs

Product Description Outer pane	Light		Solar Radiant Heat				Total shading coefficient	U _g -value (W/m ² K)
	Transmittance	Reflectance	Direct Transmittance	Reflectance	Absorptance	Total Transmittance (g value)		Argon-filled (90%)
Pilkington Insulight ™ Therm Triple (with 4 mm outer pane, 16 mm argon gas-filled cavity, 4 mm Pilkington Optitherm ™ S3 mid-pane, 16 mm argon gas-filled cavity and 4 mm Pilkington Optitherm ™ S3 inner pane)								
Pilkington Optifloat ™ Clear	0.71	0.16	0.43	0.32	0.25	0.53	0.61	0.6
Pilkington Optiwhite ™	0.72	0.16	0.44	0.37	0.19	0.55	0.63	0.6

Performance data determined in accordance with EN 410 and EN 673. Low-e coating on surfaces 3 and 5 (counting from the outside).

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