

Performance Data



Technical data according To EN 410 and EN 673*	4 mm single	4/16/4 mm double
Solar Energy Transmission, τ_e	83%	73%
Solar Energy Reflection, ρ_e	8%	14%
Solar Energy Absorbtion, α_e	9%	13%
Visible Light Transmission, τ_v	90%	82%
Visible Light Reflection (External), ρ_{ve}	8%	15%
Visible Light Reflection (Internal), ρ_{vi}	8%	15%
Ultraviolet Transmission, T_{UV}	4%	<1%
Ultraviolet Rejection	96%	>99 %
g value	0.85	0.78
Shading Coefficient	1.06	0.98
Total Solar Energy Rejected	15%	22%
Glare Reduction	0%	
U value, single glazing (W/m ² .K)	5.92	
U value, double glazing, Air filled (W/m ² .K)		2.74
Emissivity, ϵ_n	0.9	
Colour Rendering Index, R_a	99	
Film Colour / Appearance	Clear	
Installation position		
Warranty**:		

Installation Notes: Safety and security films must be installed by trained and qualified personnel. Use Film On for installation.

Please check the complete Film to Glass Thermal Stress Compatibility Guidelines before film installation; Contact Eastman Performance Films for full details.

*The solar performance data reported for LLumar architectural window films was measured and/or calculated using EN410 methodology for glazing solar performance measurement as measured on single pane, 4mm clear glass. Reported values are taken from representative product samples and are subject to normal manufacturing variances. Actual performance will vary based on a number of factors, including glass type and properties.

**Warranty validity: UK only

Datasheet created on 10/06/16. For a more recent version please contact your LLumar representative.

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