



Characteristics & Benefits	Performance data*
Security window film	Visible Light Transmission 88%
Clear appearance	Visible Light Reflection - Exterior 10%
Increased glass durability	Glare Reduction 2%
Helps to hold broken pieces of glass together	Coefficient of Total Energy Transmission (g-value) 0.83
Thickness: 325 microns (0.013 inches)	Total Solar Energy Rejected 17%
Manufacturer's limited warranty**: 10 years	UV Transmission <1%

Test Reports

Test Standard	Classification	Explanation
EN 356 Glass in building – Security glazing – Testing and classification of resistance against manual attack	P2A	EN 356 is a European Standard for glazing to withstand an intruder attack. <ul style="list-style-type: none"> • The test uses a steel ball (4.11kg (9lb)) to represent a manual attack • SCL SR PS13 passes (the ball does not penetrate the glass) at P2A drop height 3000mm (118 inches) • Test conducted on clear annealed glass, with a nominal thickness of 4.2mm (0.16 inches)
EN 12600 Glass in building, pendulum test – Impact test method and classification for flat glass	2(B)2	EN 12600 is a European Standard for Safety Glazing to withstand impact. Impact testing continued until all 3 drop heights (190mm/ 7.5 inches, 450mm/17.7 inches and 1200mm/47.2 inches) were completed 4 times or until a specimen failed to meet the test performance requirements. Specimens were impacted from the following drop heights: <ul style="list-style-type: none"> • SCL SR PS13 achieves a performance classification of 2(B)2 (450mm/17.7 inches drop height) • Test conducted on a nominal thickness 4mm annealed glass

Installation notes

Internal installation

Safety and security films must be installed by trained and qualified personnel. Use Film On solution for installation. Please contact your LLumar® representative for appropriate installation guidelines for installing safety films.

General notes

The company provides the results of performance testing to indicate the suitability of a film for specific applications. Test characteristics, such as tensile strength, elongation at break, yield strength, etc. are not performance based and therefore may not indicate if a film is more or less suitable than another film choice for a specific application. Therefore, these parameters are excluded from this data sheet. In some cases, additional performance parameters may be available on request.

Please check the complete Film to Glass Thermal Stress Compatibility Guidelines before film installation; contact your LLumar representative for full details.

* Data captured using National Fenestration Rating Council's (NFRC) guidelines on single pane, nominal 1/8 inch (3mm) 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.

** Certain restrictions apply; see an authorized dealer for warranty details.

Datasheet created on 08/18. For a more recent version please contact your LLumar representative.

Notice: Although the information and recommendations set forth herein (hereafter "Information") are presented in good faith and believed to be correct as of the date hereof, neither Eastman Chemical Company nor any of its subsidiaries or affiliates (collectively, "Eastman") makes any representations or warranties as to the completeness or accuracy thereof and assumes no obligation to update any of the Information. Information is supplied upon the condition that the persons receiving same will make their own determinations as to its suitability for their purposes prior to use. In no event will Eastman be held responsible for damages or liability of any nature whatsoever, including without limitation, for direct, indirect or consequential loss, business interruption, loss of profits, production, goodwill or contracts, or anticipated savings, resulting from the use of or reliance upon the Information or the product to which the Information refers. No representations or warranties, either express or implied, of merchantability, fitness for a particular purpose, or of any other nature are made hereunder with respect to information or the product to which information refers.