## NHE1035 ER HPR

Technical data according to EN 410 and EN 673	4 mm single	4 / 16 / 4 mm double
Corrected emissivity of uncoated glass surface	0.837	
Solar Energy Transmission, $\tau_e$	32 %	27 %
Solar Energy Reflection, $\rho_e$	17 %	18 %
Solar Energy Absorption, a <sub>e</sub>	50 %	55 %
Visible Light Transmission, $\tau_v$	38 %	34 %
Visible Light Reflection (External) , $\rho_{\text{Ve}}$	19 %	20 %
Visible Light Reflection (Internal) , $\rho_{\text{Vi}}$	15 %	20 %
Ultraviolet Transmission, $\tau_{\text{UV}}$	< 1 %	
Ultraviolet Rejection	> 99 %	
g value	0.44	0.35
Shading Coefficient	0.51	0.41
Total Solar Energy Rejected	56 %	65 %
Glare Reduction	57 %	61 %
U value, single glazing (W/m <sup>2</sup> .K)	5.7	-
U value, double glazing, Air filled (W/m <sup>2</sup> .K)	-	2.8
Emissivity, $\varepsilon_n$	0.87	
Thickness without liner	60 µ	
Film Colour / Appearance	Neutral	
Installation position	Exterior	
Warranty	7 years vertical / 5 years sloping (slopes 20 degrees or more from horizontal)**	

Installation Notes: Edge sealing required. Use Film On for installation.

\* Please check the complete Film to Glass Thermal Stress Compatibility Guidelines **before** film installation. \*\* Contact Solutia Performance Films for full details. All values for engineering parameters are determined by the manufacturer and independent testing laboratories.

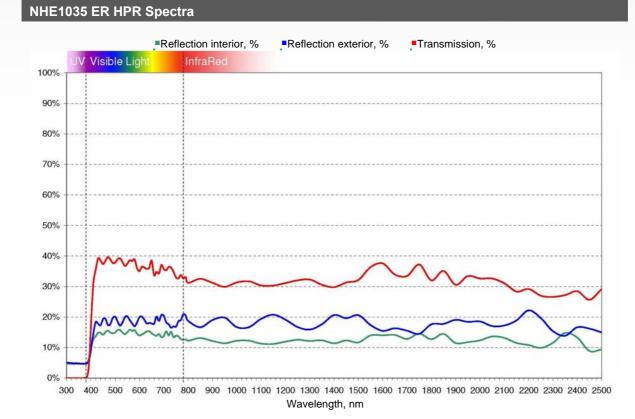
© 2010 Solutia Inc., St. Louis, Missouri, U.S.A. All rights reserved. LLumar and LLumar Logo are trademarks of Solutia Inc. and/or its affiliates. As used herein, ® denotes registered trademark status in the U.S. only. All other trademarks, logos and designs are the property of their respective owners. All text, graphic and image rights reserved and errors excepted. V. 1.00.1010.



## NHE1035 ER HPR

## Features & Benefits

- The best solution if good solar control is needed with lower reflection of visible light
- Neutral solar control exterior grade film
- Special technology polymeric scratch resistant coating provides increased durability and easier cleaning – patent applied for
- Improvement of working conditions high reduction in solar heat gain
- Reduction in air-conditioning costs and hence a reduction in energy costs with potential payback of less than 5 years
- Potential to reduce CO2 emissions by tens of tonnes per year
- Daylight privacy 'one way' mirror effect can be achieved under the correct lighting conditions
- Good glare reduction for reduced eyestrain and easier working with computer screens
- Excellent UV filtering integral to the polyester helps to reduce fading of textiles, furniture, and works of art
- Well adapted to single, double and double low-E insulating glazing systems
- Exterior installation



© 2010 Solutia Inc., St. Louis, Missouri, U.S.A. All rights reserved. LLumar and LLumar Logo are trademarks of Solutia Inc. and/or its affiliates. As used herein, ® denotes registered trademark status in the U.S. only. All other trademarks, logos and designs are the property of their respective owners. All text, graphic and image rights reserved and errors excepted. V. 1.00.1010.

