

## Sputtered Light Neutral

N 1050 SR CDF

## Performance Data



Technical data according to EN 410 and EN 673*	4 mm single	4/16/4 mm double
Solar Energy Transmission, $\tau_e$	45%	40%
Solar Energy Reflection, $\rho_e$	12%	17%
Solar Energy Absorption, $\alpha_e$	43%	
Visible Light Transmission, $T_V$	49%	45%
Visible Light Reflection (External), $\rho_{ve}$	13%	19%
Visible Light Reflection (Internal), $\rho_{vi}$	10%	12%
Ultraviolet Transmission, $\tau_{UV}$	<1%	
Ultraviolet Rejection	99%	>99 %
g value	0.55	0.65
Shading Coefficient	0.63	0.75
Total Solar Energy Rejected	45%	35%
Glare Reduction	45%	
U value, single glazing (W/m <sup>2</sup> .K)	5.87	
U value, double glazing, Air filled (W/m <sup>2</sup> .K)		2.73
Emissivity, $\epsilon_n$	0.88	
Colour Rendering Index, $R_a$	99	
Film Colour / Appearance	Neutral	
Installation position	Internal	
Manufacturer's Limited Warranty**: 10 Years		

Installation Notes: X-100 may be used for installation. 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 properties reported for LLumar architectural window films were calculated using EN410 methodology for film applied to single pane (4mm clear glass) and dual pane glazing (4mm clear glass panes, 16mm air space). Reported values were calculated from representative product samples. Actual performance may vary based on a number of factors, including glass properties, and standard manufacturing variances. Solar spectrum used: UV 300-380nm, Visible Light 380-780nm, IR 780-2500nm.

\*\*Manufacturer's Limited Warranty validity: Europe only. Certain restrictions apply, see authorized dealer for warranty details.

Datasheet created on 20/02/19. For a more recent version please contact your LLumar representative.

©2019 Eastman Performance Films, LLC. Product brands referenced herein with a ™ or ® symbol are trademarks of Eastman Chemical Company or its subsidiaries. All other trademarks are the property of their respective owners. All rights reserved. No liability is accepted for errors. 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.

# Sputtered Light Neutral

N 1050 SR CDF

## Features And Benefits



- Solar control and privacy film, neutral appearance
- Used where high light transmission and modest heat and glare reduction are sought, combined with low reflectance and neutral daylight colour balance
- Improves building aesthetics
- Rejects up to 45% of solar energy, helping reduce heat build-up, and energy costs, increasing occupant comfort.
- Reduction of hot spots helps increase HVAC efficiency and lower energy costs
- Durable scratch-resistant coating for easy cleaning
- Shields >99% of UV radiation, helping to reduce fading of valuables, fabrics and furnishings
- Interior installation