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Interior Side

## Benefits and selection criteria

- + Rejects up to 48% of solar energy, reducing heat build-up and energy costs
- + Blocks >99% of ultraviolet rays\*, helping to protect furnishings by reducing premature fading
- + Blue-gray hue with low interior and high exterior reflectivity
- + Reduces glare and eye fatigue
- + Optically-clear sputtered film with advanced color stable technology
- + Manufacturer's limited warranty†

**EASTMAN**

LLumar.com

\*Wavelengths 280-380nm. †Certain restrictions apply; see authorized dealer for warranty details. © 2016 Eastman Chemical Company. VISTA™, the VISTA® logo, LLumar® and the LLumar® logo are trademarks of Eastman Chemical Company or one of its wholly owned subsidiaries. As used herein, ® denotes registered trademark status in the U.S. only. Printed in U.S.A. (05/16) SP1027



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Exterior Side

## Performance data

	% Total Solar Transmittance	% Total Solar Reflectance	% Total Solar Absorbance	% Visible Light Transmittance	% Visible Reflectance (exterior)	% Visible Reflectance (interior)	Winter U-value	Shading Coefficient	% UV Ray Protection (wavelengths 280-380nm)	Emissivity	Solar Heat Gain Coefficient	% Total Solar Energy Rejected	Light-to-Solar Heat Gain Ratio (LSG)	% Summer Solar Heat Gain Reduction	% Winter Heat Loss Reduction	% Glare Reduction
Clear Glass 1/8" (3mm) single pane	83	8	9	90	8	8	1.03	1.00	29	0.84	0.86	14	1.05	-	-	-
V48 SR CDF 1/8" (3mm) clear single pane	39	15	46	46	16	11	1.04	0.60	>99	0.84	0.53	47	0.87	38	0	49
Clear Glass 1/8" (3mm) dual pane	70	13	17	81	15	15	0.48	0.88	44	0.84	0.76	24	1.07	-	-	-
V48 SR CDF 1/8" (3mm) clear dual pane	33	19	48	43	21	13	0.48	0.68	>99	0.83	0.59	41	0.73	22	0	47
Clear Glass 1/4" (6mm) single pane	77	7	16	88	8	8	1.03	0.94	38	0.84	0.82	18	1.07	-	-	-
V48 SR CDF 1/4" (6mm) clear single pane	36	14	50	46	15	11	1.02	0.59	>99	0.83	0.52	48	0.88	37	1	48
Clear Glass 1/4" (6mm) dual pane	61	11	28	79	14	14	0.47	0.81	54	0.84	0.70	30	1.13	-	-	-
V48 SR CDF 1/4" (6mm) clear dual pane	29	16	55	41	20	12	0.47	0.64	>99	0.83	0.56	44	0.73	20	0	48

The solar performance data reported for Vista by LLumar architectural window films was captured using the National Fenestration Rating Council's (NFRC) standard guidelines for window film solar performance measurement. All safety and performance data has been measured in accordance with ASTM, ASHRAE, AIMCAL and ANSI standards using NFRC methodology with Lawrence Berkeley National Lab's WINDOW Fenestration Analysis Software. 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.