

FILM INSERT HERE

Interior Side

Benefits and selection criteria

- + Rejects up to 56% of solar energy, reducing heat build-up and energy costs
- + Exterior installation provides protection for hard to reach locations
- + Blocks >99% of ultraviolet rays*, helping to protect furnishings by reducing premature fading
- + Spectrally selective with a very light blue hue and superior clarity
- + Reduces glare and eye fatigue
- + Manufacturer's limited warranty includes five year glass breakage and three year seal failure warranty†

EASTMAN

LLumar.com

*Wavelengths 300-380nm. †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) SP1059



FILM INSERT HERE

Exterior Side

Performance data

	% Total Solar Transmittance	% Total Solar Reflectance	% Total Solar Absorptance	% Visible Light Transmittance	% Visible Reflectance (exterior)	% Visible Reflectance (interior)	Winter U-value	Shading Coefficient	% UV Ray Protection (wavelengths 300-380nm)	Emissivity	Solar Heat Gain Coefficient	% Total Solar Energy Reflected	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	-	-	-
TXA80 ER HPR 1/8" (3mm) clear single pane	41	6	53	78	9	9	1.04	0.66	>99	0.89	0.57	43	1.37	34	0	13
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	-	-	-
TXA80 ER HPR 1/8" (3mm) clear dual pane	36	8	56	71	14	15	0.48	0.53	>99	0.89	0.46	54	1.54	39	0	12
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	-	-	-
TXA80 ER HPR 1/4" (6mm) clear single pane	40	6	54	76	8	8	1.03	0.65	>99	0.89	0.56	44	1.36	32	0	14
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	-	-	-
TXA80 ER HPR 1/4" (6mm) clear dual pane	33	8	59	68	13	15	0.47	0.51	>99	0.89	0.44	56	1.55	37	0	14

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.