

WINDOW FILM PERFORMANCE DATA | Architectural: North America



Solar Control Window Film

	% Total Solar Transmittance	% Total Solar Reflectance	% Total Solar Absorpance	% Visible Light Transmittance	% Visible Reflectance (exterior)	% Visible Reflectance (interior)	Winter U-value	Shading Coefficient	% Ultraviolet Ray Protection (wavelengths 300-380nm)	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	83	8	9	90	8	8	1.04	0.99	29	0.84	0.86	14	1.05	0	0	0
Reflective Series																
RN07G SR CDF (One-Way Mirror)	7	57	36	6	61	14	0.88	0.19	99	0.54	0.16	84	0.38	81	15	93
R15B SR CDF (Bronze)	8	39	53	8	20	62	0.89	0.25	>99	0.62	0.22	78	0.36	74	14	91
R15BL SR PS (Blue)	9	42	49	9	27	62	0.93	0.25	>99	0.63	0.22	78	0.41	74	11	90
R15G SR CDF (Gray)	7	36	57	6	13	62	0.92	0.26	99	0.62	0.23	77	0.26	73	12	93
R15GO SR PS (Gold)	10	53	37	13	52	63	0.92	0.23	>99	0.62	0.20	80	0.65	77	12	86
R20 SR CDF (Silver)	11	57	32	15	62	63	0.90	0.22	>99	0.58	0.20	80	0.75	77	13	83
R35 SR CDF (Silver)	21	45	34	28	47	46	0.91	0.35	>99	0.61	0.30	70	0.93	65	13	69
R50 SR CDF (Silver)	39	27	34	49	26	25	0.95	0.55	99	0.67	0.47	53	1.04	45	9	46
Dual-Reflective Series																
DR05 SR CDF (Warm Gray)*	7	58	35	6	61	16	0.89	0.18	>99	0.56	0.16	84	0.38	81	14	93
DR15 SR CDF (Warm Gray)	18	38	44	17	37	13	0.92	0.34	99	0.62	0.30	70	0.57	65	12	81
DRN25 SR CDF (Warm Gray)	23	31	46	22	30	12	0.92	0.39	99	0.62	0.35	65	0.63	59	12	76
DRN35 SR CDF (Warm Gray)	33	22	45	35	21	13	0.95	0.52	99	0.67	0.46	54	0.76	47	9	61
Deluxe Series																
DL05G SR CDF (Gray)	14	26	60	7	11	11	0.95	0.35	>99	0.68	0.31	69	0.23	64	9	92
DL15B SR CDF (Bronze)	27	14	59	14	8	8	0.94	0.51	99	0.72	0.44	56	0.32	49	10	84
DL15G SR CDF (Gray)	27	14	59	16	9	8	0.93	0.51	99	0.71	0.44	56	0.36	49	11	82
DL30GN SR PS (Green)	32	18	50	33	14	14	0.99	0.53	>99	0.75	0.48	52	0.69	44	5	63
Neutral Series																
N1020 SR CDF (Neutral)	21	27	52	23	30	27	1.03	0.42	>99	0.82	0.37	63	0.62	57	1	74
N1040 SR CDF (Neutral)	34	17	49	37	19	16	1.05	0.56	99	0.85	0.49	51	0.76	43	-1	59
N1050 SR CDF (Neutral)	46	12	42	50	14	11	1.07	0.68	99	0.89	0.59	41	0.85	31	-3	44
N1065 SR CDF (Neutral)	64	9	27	69	10	8	1.07	0.83	99	0.90	0.72	28	0.96	16	-3	23
N1020B SR CDF (Bronze)	13	49	38	21	37	35	0.90	0.27	>99	0.59	0.23	77	0.91	73	13	77
N1035B SR CDF (Bronze)	26	37	37	37	26	23	0.92	0.41	99	0.61	0.36	64	1.03	58	12	59
Exterior Series																
Exterior films are applied to the exterior face of the glazing and provide excellent heat rejection performance.																
NHE20 ER HPR (Neutral)	21	29	50	23	30	26	1.04	0.42	>99	0.86	0.36	64	0.64	58	0	74
NHE35 ER HPR (Neutral)	34	18	48	38	19	16	1.04	0.56	>99	0.86	0.49	51	0.78	43	0	58
RHE20 ER HPR (Silver)	12	63	25	16	62	59	1.04	0.22	>99	0.71	0.20	80	0.80	77	0	82
RHE35 ER HPR (Silver)	21	50	29	29	48	45	1.04	0.35	>99	0.72	0.30	70	0.97	65	0	68
RHE50 ER HPR (Silver)	38	30	32	49	26	24	1.04	0.55	>99	0.79	0.48	52	1.02	44	0	46
THE 80 BL ER (Clear)	41	6	53	78	9	9	1.04	0.66	>99	0.89	0.57	43	1.37	34	0	13
SHE CL ER PS4 (Clear)	82	8	10	89	9	9	1.02	0.97	>99	0.90	0.85	15	1.05	1	2	1
SHE CL ER PS7 (Clear)	81	8	11	89	9	9	1.04	0.97	>99	0.84	0.84	16	1.06	2	0	1
Specialty Series																
AU-85UV SR HPR is an ideal solution to help protect interior furnishings from sun damage. It provides a high level of protection against harmful UV rays without altering glass aesthetics. AIR-80BL SR HPR is used where a combination of extremely low visible reflectance, high light transmission, and substantial reduction in solar infrared transmission is needed.																
AIR80 BL SR HPR (Clear)	43	7	50	79	9	9	1.07	0.67	>99	0.89	0.58	42	1.36	33	-3	12
AIR90 CL SR HPR (Clear)	63	7	30	85	9	9	1.07	0.83	>99	0.89	0.72	28	1.18	16	-3	6
AU85 UV SR HPR (UVCL-Clear)	82	9	9	89	10	10	1.07	0.97	>99	0.90	0.84	16	1.06	2	-3	1

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*Developmental data, based on data obtained during product development and is subject to change. Data was captured using the National Fenestration Rating Council's (NFRC) standard guidelines for window film solar performance measurement as measured on single pane, 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. ***These are calculated numbers which may differ between similar products due to averaging and rounding. ©2021 Eastman Performance Films, LLC. All rights reserved. No liability is accepted for errors. (03/21) L2278