

LLUMAR DECORATIVE WINDOW FILM PERFORMANCE DATA



	% Total Solar Transmittance	% Total Solar Reflectance	% Total Solar Absorbance	% Visible Light Transmittance	% Visible Reflectance (exterior)	% Visible Reflectance (interior)	Winter Median U-value	Shading Coefficient	% UV Rejected	Emissivity	Solar Heat Gain Coefficient (SHGC)	% Total Solar Energy Rejected (TSEER)	Light-to-Solar Heat Gain Ratio (LSG)	% Summer Solar Heat Gain Reduction	% Winter Heat Loss Reduction	% Glare Reduction
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Window without film applied (1/8" clear single pane)	83	8	9	90	8	8	1.03	1.00	29	0.84	0.86	14	1.05	0	0	0
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FROSTS

Frosted films were created to enhance privacy and improve aesthetics. They are ideal for commercial interior glazing applications such as office partitions to achieve privacy or to meet interior design goals at a fraction of the cost of etched glass.

NRM80-PS2 (Mist)	76	15	9	84	19	19	0.95	0.91	99	0.81	0.79	21	1.06	9	8	7
NRM-PS2 (Frost)	69	20	11	75	25	22	1.02	0.84	98	0.84	0.73	27	1.03	16	1	17
NRM55-PS4 (Glacier)	62	28	10	67	36	24	0.97	0.74	99	0.72	0.64	36	1.05	26	6	26
NRMB-PS2 (Bronze)	50	13	37	36	11	15	1.03	0.69	98	0.84	0.61	39	0.59	31	0	60
RMS-PS2 (Silver)	13	57	30	16	60	64	1.03	0.24	99	0.72	0.21	79	0.76	76	0	82
NRMV60F-PS3 (Etched Frost)	55	22	23	55	34	36	1.04	0.70	90	0.84	0.61	39	0.90	30	-1	39
NRMV80DC-PS3 (Dusted Crystal)	80	9	11	87	11	10	1.04	0.96	75	0.84	0.83	17	1.05	4	-1	3

PATTERNS

Patterned films are available in a variety of styles to offer a wide range of aesthetic solutions through varying levels of translucent and opaque whites with a simulated acid-etch appearance. This series also includes a broad range of classic patterns.

NRM FS SR HPR (Stripes)	72	17	11	73	20	20	1.03	0.90	99	0.84	0.79	21	0.92	10	0	19
NRM MFS SR HPR (Matte Stripes)	65	26	9	69	35	41	0.97	0.77	95	0.71	0.67	33	1.03	23	6	23
NRM FTL SR HPR (Thin Lines)	70	19	11	73	20	20	1.03	0.84	99	0.84	0.73	27	1.00	16	0	19
NRM FB SR HPR (Bands)	63	19	18	63	23	23	1.03	0.80	99	0.84	0.70	30	0.90	20	0	30
NRM FSQ SR HPR (Squares)	68	16	16	69	20	20	1.03	0.87	99	0.84	0.77	23	0.90	13	0	23
NRM MSQ SR HPR (Matte Squares)	61	20	19	61	25	25	1.03	0.75	99	0.84	0.66	34	0.92	25	0	32
NRM FSD SR HPR (Small Dots)	78	12	10	82	13	13	1.03	0.94	99	0.84	0.81	19	1.01	6	0	9
NRM MFSD SR HPR (Matte Small Dots)	60	23	17	64	30	30	0.98	0.75	96	0.73	0.65	35	0.98	25	5	29
NRM FMD SR HPR (Mini Dots)	76	12	12	81	15	15	1.03	0.91	99	0.84	0.79	21	1.03	9	0	10
FROSTED SPARKLE	70	16	14	73	19	18	1.03	0.85	83	0.84	0.74	26	0.99	15	0	19
NRM FRP SR HPR (Rice Paper)	63	23	14	67	25	25	1.01	0.77	99	0.84	0.67	33	1.00	23	2	26
NRM FIBG SR HPR (Fiberglass)	64	23	13	67	31	33	0.98	0.77	96	0.72	0.67	33	1.00	23	5	26

TEXTURES

Textured films, the latest in the decorative film portfolio, add visual interest to any design. The unique vinyl construction of these films make them ideal candidates for custom cut solutions. Add elegance to your building without the expense of designer glass.

NRMV CG HPR (Crackled Glass)	83	8	9	90	9	9	0.94	0.99	27	0.80	0.86	14	1.05	1	9	0
NRMV SC HPR (Satin Crystal)	83	8	9	90	9	11	1.03	1.00	25	0.81	0.86	14	1.05	0	0	0
NRMV BC HPR (Brushed Crystal)	83	11	6	90	12	10	0.94	1.00	25	0.80	0.86	14	1.05	0	9	0

SPECIALTIES

Specialty films provide a rainbow of color options to enhance any building design. Specialty film products are recommended for interior applications. Combine color with patterns to inspire a wide range of custom design solutions.

NRMM-PS2 (Matte Black)	0	7	93	0	8	8	0.94	0.35	100	0.80	0.29	71	0.00	65	9	100
NRMW-PS3 (White)	18	66	16	14	87	84	1.03	0.25	99	0.84	0.23	77	0.61	75	0	84
RED SR HPR (Red)	59	8	33	26	8	8	1.03	0.79	98	0.84	0.69	31	0.38	16	0	70
YELLOW SR HPR (Yellow)	73	9	18	85	8	8	1.03	0.90	98	0.84	0.78	22	1.09	4	0	3
BLUE SR HPR (Blue)	61	8	31	28	8	8	1.03	0.80	98	0.84	0.70	30	0.40	15	0	68
GREEN SR HPR (Green)	46	7	47	32	8	8	1.03	0.68	98	0.84	0.59	41	0.54	28	0	64