





Product Performance and Technical Data

Glass Type (All 1/4")	Film Type	Visible Light			Total Solar Energy Rejected	Solar Heat Gain Coefficient (G Value)	U Value		Solar Heat Reduction	UV Light Rejected	Glare Reduction	Visible Light to Solar Heat Gain Ratio
		Reflected (Interior)	Reflected (Exterior)	Transmitted			btu/ hft ² F	w/ m ² K				
 Clear	Ultra PR S70	9%	10%	68%	50%	0.51	1.02	5.8	38%	99.9%	23%	1.4
	Ultra PR S50	7%	9%	48%	56%	0.44	1.02	5.8	46%	99.9%	46%	1.1
 Tinted	Ultra PR S70	8%	6%	41%	56%	0.44	1.02	5.8	30%	99.9%	23%	0.9
	Ultra PR S50	7%	6%	29%	60%	0.40	1.02	5.8	37%	99.9%	45%	0.7
 Double Clear	Ultra PR S70	13%	16%	61%	44%	0.56	0.47	2.7	20%	99.9%	23%	1.1
	Ultra PR S50	9%	15%	43%	47%	0.53	0.47	2.7	25%	99.9%	46%	0.8
 Double Tinted	Ultra PR S70	12%	9%	37%	58%	0.42	0.47	2.7	17%	99.9%	23%	0.9
	Ultra PR S50	9%	9%	26%	60%	0.40	0.47	2.7	21%	99.9%	46%	0.6

3M products are tested to multiple industry standards. Glazing systems vary. Contact 3M for more information.

*Building codes vary, please consult with 3M and your local code official.

Film Properties (nominal)

Note: The following technical information and data are based upon limited 3M testing conditions and should not be used for specification purposes.

Film Type	Film Thickness	Construction	Tear Resistance	Tensile Strength	Break Strength	Elongation at Break	Peel Strength	Abrasion Resistance
Ultra Prestige	8 mil (0.22 mm)	Micro-layered	1,100 lbs%	27,000 psi (186 MPa)	215 lbs/in (956 N/25mm)	120%	> 4 lbs/in (18 N/25mm)	<3% Δ Haze

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		Reflected (Interior)	Reflected (Exterior)	Transmitted			btu/ hft ² F	w/ m ² K				
 Clear	Ultra NV S25	7%	19%	24%	60%	0.40	1.02	5.8	51%	99.9%	73%	0.6
 Tinted	Ultra NV S25	7%	10%	15%	62%	0.38	1.02	5.8	40%	99.9%	73%	0.4
 Double Clear	Ultra NV S25	8%	24%	22%	50%	0.50	0.47	2.7	28%	99.9%	73%	0.4
 Double Tinted	Ultra NV S25	8%	11%	13%	62%	0.38	0.47	2.7	24%	99.9%	73%	0.3

Film Properties — Nominal

Note: The following technical information and data are based upon 3M testing conditions and should not be used for specification purposes.

Film Type	Film Thickness	Construction	Tear Resistance	Tensile Strength	Break Strength	Elongation at Break	Peel Strength	Abrasion Resistance
Ultra Night Vision S25	8 mil (0.22mm)	Micro-layered	1,100 lbs%	27,000 psi (186 MPa)	215 lbs/in (956 N/25mm)	95%	>4 lbs/in (18 N/25mm)	3% Δ Haze

3M products are tested to multiple industry standards. Glazing systems vary. Contact 3M for more information.

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