

VISTA SAFETY/SECURITY FILMS: PHYSICAL PROPERTIES

	FILM THICKNESS (inches)	APPEARANCE	SINGLE OR MULTI-PLY	TENSILE STRENGTH (as constructed)	TENSILE STRENGTH (as reported by Polyester Supplier - average)	BREAK STRENGTH (Peak load)	BREAK STRENGTH (Average Load)	ELONGATION AT BREAK	PEEL STRENGTH	PUNCTURE STRENGTH
V28 SR PS6 (discontinued)	0.006	Dual Reflective	Multi	29,400	32,000	177	171	> 100%	>2720 (>6)	129
V38 SR PS6 (discontinued)	0.006	Dual Reflective	Multi	29,400	32,000	177	171	> 100%	>2720 (>6)	129
V28 SR PS8	0.008	Dual Reflective	Multi	33,101	32,000	290	281	> 100%	>2720 (>6)	156
V38 SR PS8	0.008	Dual Reflective	Multi	33,101	32,000	290	281	> 100%	>2720 (>6)	156

Property	Test Method	Units
Film Thickness		Inches
Tensile Strength	ASTM D882	Pounds per square inch, psi
Break Strength	ASTM D882	Pounds force per inch width
Elongation At Break	ASTM D882	Percent
Peel Strength	ASTM D3330	Grams per inch width (pounds per inch width)
Puncture Strength	ASTM D4830	Pounds force

Vista Safety Films comply with ANSI Z97.1 impact test requirements on 1/8" and 1/4" glass.

Vista films with a Scratch Resistant coating (SR in film name) tested using ASTM D-1044, using 500g weights and CS-10F wheel have shown less than 5% increase in haze after abrasion.

Vista Safety Films utilize an acrylic pressure sensitive adhesive system.

Data values are typical and provided for comparison purposes only.

rev 3/2008

VISTA SAFETY/SECURITY FILMS: PHYSICAL PROPERTIES

	FILM THICKNESS (microns)	APPEARANCE	SINGLE OR MULTI-PLY	TENSILE STRENGTH (as constructed)	TENSILE STRENGTH (as reported by Polyester Supplier - average)	BREAK STRENGTH (Peak load)	BREAK STRENGTH (Average Load)	ELONGATION AT BREAK	PEEL STRENGTH	PUNCTURE STRENGTH
V28 SR PS6 (discontinued)	150	Dual Reflective	Multi	202.7	221	177	30	> 100%	>2.72	574
V38 SR PS6 (discontinued)	150	Dual Reflective	Multi	202.7	221	177	30	> 100%	>2.72	574
V28 SR PS6	200	Dual Reflective	Multi	228.2	221	244	46	> 100%	>2.72	694
V38 SR PS6	200	Dual Reflective	Multi	228.2	221	244	46	> 100%	>2.72	694

Property	Test Method	Units	
Film Thickness		microns	
Tensile Strength	ASTM D882	Mpa	MN/m ²
Break Strength	ASTM D882	KN/m	KN/m
Elongation At Break	ASTM D882	Percent	
Peel Strength	ASTM D3330	Kgf/25mm	
Puncture Strength	ASTM D4830	N	

Vista Safety Films comply with ANSI Z97.1 impact test requirements on 1/8" and 1/4" glass.

Vista films with a Scratch Resistant coating (SR in film name) tested using ASTM D-1044, using 500g weights and CS-10F wheel have shown less than 5% increase in haze after abrasion.

Vista Safety Films utilize an acrylic pressure sensitive adhesive system.

Data values are typical and provided for comparison purposes only.

rev 3/2008