Safety Film

Technical Data Sheet (TDS)
8 Mil Clear Safety Film

Product Description
8 Mil Clear Safety Film is a high-impact-resistant, micro-layered polyester film engineered to provide enhanced safety and protection for glass surfaces. Once installed, it strengthens glass, reduces glare, and prevents shattering on impact.

Key Applications:

- Automobile windows
- Glass doors and partitions
- Bathroom mirrors
- Elevator finishes
- Other vulnerable glass or hard surfaces

Testing Standards: ASHRAE, ASTM, BSEN 410 & AIMCAL

Features & Benefits

- **High-Impact Resistance:** Prevents glass from splintering on impact.
- **UV Protection:** Blocks >99% of harmful UV rays.
- **Glare Reduction:** Reduces glare by 2% while maintaining high transparency.
- **Durable Adhesion:** Strong bond to glass ensures long-lasting protection.
- **Versatile Application:** Suitable for vehicles, residential, and commercial buildings.

Mechanical Properties

Property	Unit	Nominal Value (Doubled)
Tensile Strength at Break (MD)	Kg/cm^2	3600
Tensile Strength at Break (MD)	PSI	51,200
Break Load (MD)	Kg/cm	38
Elongation at Break (MD)	%	260
Peel Strength (After Curing)	Grams/inch	5000
Abrasion Resistance (100 cycles haze addition)	%	<10%

PRODUCT DETAILS 8 MIL CLEAR SAFETY FILM	SINGLE PANE CLEAR		SINGLE PANE TINTED		DUAL PANE CLEAR		DUAL PANE TINTED	
	1/8 " CLEAR	8 MIL CLEAR SAFETY FILM	1/8 " TINTED	8 MIL CLEAR SAFETY FILM	DUAL 1/8 " CLEAR	8 MIL CLEAR SAFETY FILM	DUAL 1/8 " TINTED	8 MIL CLEAR SAFETY FILM
Solar Heat Gain Coefficient	0.86	0.87	0.67	0.65	0.76	0.76	0.69	0.67
Visible light Transmitted	89	90	56	55	81	81	51	50
Visible light Reflected interior	8	9	6	7	15	16	11	13
Visible light Reflected exterior	8	9	7	9	15	16	7	9
U Value	1.04	1.12	1.04	1.03	0.48	0.49	0.48	0.49
UV Blocking	42	>99	NA	>99	NA	>99	NA	>99
Total Solar Energy Rejected	14	13	33	35	24	24	31	33
Glare reduction	NA	1	NA	2	NA	0	NA	2

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