



ARMORGARD DATA SHEETS

safety and security film

ARMORGARD 100 MICRON CLEAR

ARMORGARD 175 MICRON CLEAR

Some safety and security films are also available as tinted films. For thicker films see the bomb blast films



RECOMMENDED USE

- Commercial/Office/Home Yes
- Automotive Yes
- Safety & Security Yes
- Clear: Float-Plate-Laminated Yes
- Tinted: Float-Plate-Laminated Yes
- Application Internal & Special External

PRODUCT FEATURES

- Heat rejection 17%
- UV reduction >99%
- Fade reduction 47%
- Glare reduction 3%
- Day time privacy Poor
- Night time privacy Poor
- Shop front see through visibility Excellent
- Night time see through visibility Excellent
- External mirror appearance Low/Medium

PHYSICAL PROPERTIES

- Gauge (thickness) 4.5 mil
- Tensile strength >28,000 lbs/inch²
- Combustion Negligible
- Melting Point 260° -265°C
- Clarity Window glass

PRODUCT 100 MICRON CLEAR
COLOUR CLEAR
TYPE SAFETY/SECURITY
MANUFACTURERS WARRANTY
10 YEARS INTERNAL/3 YEARS EXTERNAL
SCRATCH RESISTANT STANDARD
STOCK NO. 4 MIL WW SF

SOLAR & OPTICAL PERFORMANCE

	Clear Glass		Tinted Glass	
	Glass only	Glass film	Glass only	Glass film
Solar Energy Rejection	17	17	40	43
Shading Coefficient	.95	.96	.69	.65
Solar Transmittance	77.5	78	45.4	40
Solar Absorbance	15.4	18	49.3	54.8
Solar Reflectance	7.1	4	5.3	5.3
Visible Light Transmittance	87.2	85	44.4	43.8
Visible Light Absorbance	4.7	2	50.3	50.4
Visible Light Reflectance	8.1	13	5.3	5.8
U Factor	5.85	6.02	6.19	6.41
Emissivity	.84	.84	.84	.9
UV Transmission	95	<1	23.5	<1





RECOMMENDED USE

Commercial/Office/Home Yes
Automotive No
Safety & Security Yes
Clear: Float-Plate-Laminated Yes
Tinted: Float-Plate-Laminated Yes
Application Internal & Special External

PRODUCT 175 MICRON CLEAR
COLOUR CLEAR
TYPE SAFETY/SECURITY
MANUFACTURERS WARRANTY
10 YEARS INTERNAL/3 YEARS EXTERNAL
SCRATCH RESISTANT STANDARD
STOCK NO. 7 MIL WW SF

PRODUCT FEATURES

Heat rejection 19%
UV reduction >99%
Fade reduction 48%
Glare reduction 2%
Day time privacy Nil
Night time privacy Nil
Shop front see through visibility High
Night time see through visibility High
External mirror appearance Nil

PHYSICAL PROPERTIES

Gauge (thickness) 7.0 mil
Tensile strength >28,000 lbs/inch²
Combustion Negligible
Melting Point 260° -265°C
Clarity Window glass

SOLAR & OPTICAL PERFORMANCE

	Clear Glass		Tinted Glass	
	Glass only	Glass film	Glass only	Glass film
Solar Energy Rejection	17	19	40	42
Shading Coefficient	.95	.94	.69	.67
Solar Transmittance	77.5	78	45.4	43
Solar Absorbance	15.4	13	49.3	51.7
Solar Reflectance	7.1	9	5.3	5.3
Visible Light Transmittance	87.2	87	44.4	43.5
Visible Light Absorbance	4.7	3	50.3	50.9
Visible Light Reflectance	8.1	10	5.3	5.6
U Factor	5.85	6.02	6.19	6.30
Emissivity	.84	.88	.84	.88
UV Transmission	95	<1	23.5	.00

