



GO WITH GALLINA.
POLYCARBONATE
SYSTEMS & SHEETS

Your solid answer for polycarbonate

www.gallinausa.com

Need a **solid choice**
for clear polycarbonate?
GO WITH GALLINA.

For more than 60 years, GALLINA has been designing and manufacturing plastic glazing products that are recognized throughout the world for innovation, quality, and durability.

The **GALLINA** line of clear solid polycarbonate with and without UV protection is no exception. Now offering two high-quality grades produced in North America.

PoliComp®

Dual UV-Protected Polycarbonate

PoliComp® solid polycarbonate sheets are coextruded with dual-sided UV resistance for architectural and exterior applications.

- ✔ UV-grade is standard on both sides
- ✔ Industry-leading 10 year warranty

Scudo®

General Purpose Polycarbonate

Scudo® is a general purpose solid polycarbonate sheet with no UV package designed for interior and industrial applications.

Applications

 Vertical windows

 Roofing

 Curved roofing

 False ceilings

 Skylights

 Sneeze guards

 Partitions

 Industrial glazing

 Machine guards

 Structural parts

 Thermoformed and fabricated parts

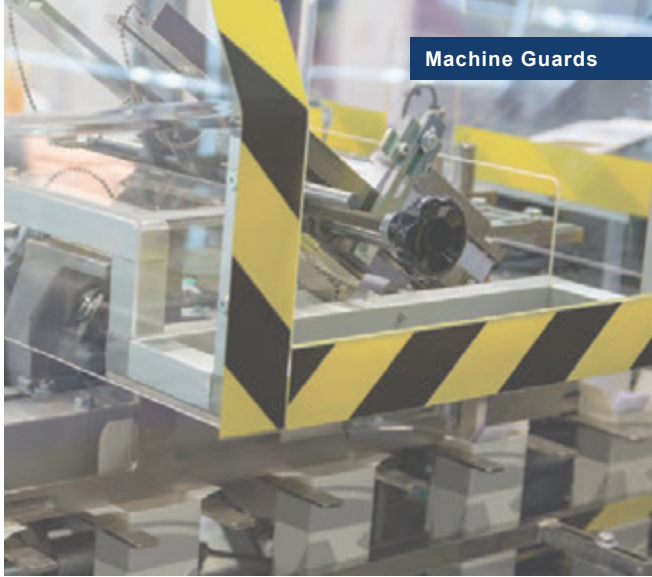
 Transportation components

 Security and safety

 Signage and display

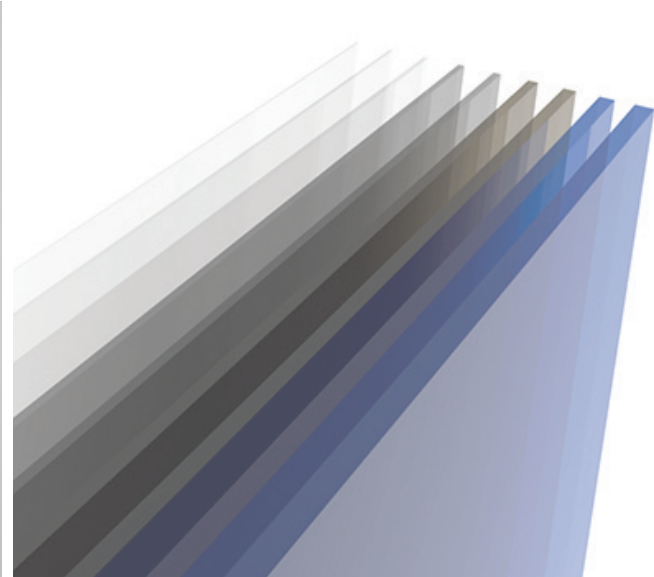
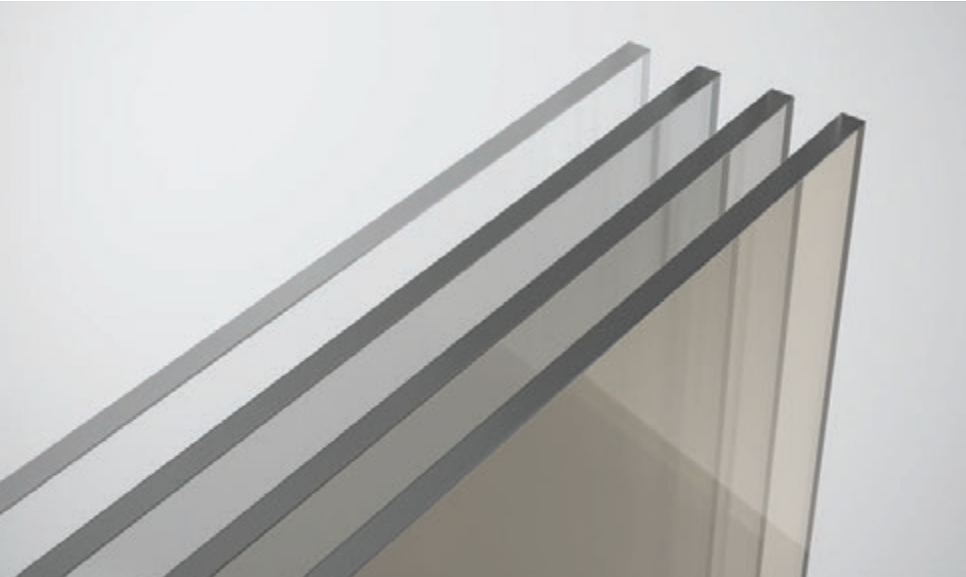
Scudo® GP and PoliComp® UV

Applications





Standard Offering



Widths

- Up to 102 in. (2,580 mm)
- Custom sizes with minimums

Thicknesses

- 0.060 in (1.528 mm) to 0.50 in (12.7 mm)
- Custom gauges with minimums

Lengths

- Unlimited
- Custom lengths with minimums

Colors

- Clear
- White
- Bronze
- Gray
- Custom colors with minimums

Regulatory Codes

- UL 94 V-0
- ASTM E-84
- ANSI Z97.1-2015

Material Properties

Physical Properties

	Value	Unit	Test Method
Density	1.2	gr/cm ³	ISO 1183
Moisture absorption 23°C	0.15	%	ISO 62-4
Refractive index 20°C	1,586	-	ISO 489

Mechanical Properties

	Value	Unit	Test Method
Resistance to tensile strength	>60	MPa	ISO 527-2
Elongation at yield	6	%	ISO 527-2
Elongation at break	>70	%	ISO 527-2
Elastic modulus	2,400	MPa	ISO 178
Limiting flexural stress	ca.90	MPa	ISO 178
Impact strength (charpy, unnotched)	No break	KJ/m ²	ISO 179
Impact strength (charpy, notched)	ca.11	KJ/m ²	ISO 179

Thermal Properties

	Value	Unit	Test Method
Vicat softening temperature	148	°C	ISO 306
Thermal conductivity	0.2	W/m°C	DIN 52612
Linear thermal expansion	0.065	mm/m°C	DIN 53752

Electrical Properties

	Value	Unit	Test Method
Dielectric strength	35	kV/mm	IEC 60243-1
Volume resistivity	0.15	%	ISO 62-4
Surface resistivity	1,586	-	ISO 489

Light Transmission (%)

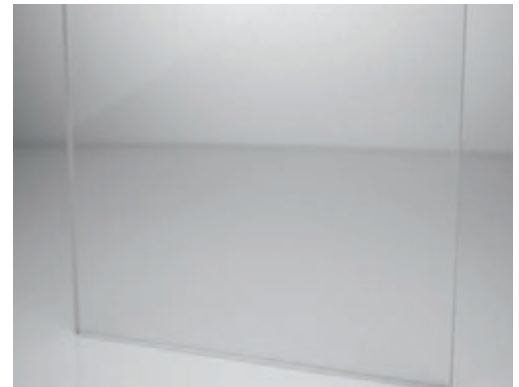
Thickness (mm)	2	3	4	5	6	8	10	12
Color								
Clear	91	90	90	90	88	86	80	80
Bronze	-	44	48	51	50	-	-	-
White	-	53	50	40	38	-	-	-
Gray	78	72	64	56	55	45	39	33

Acoustic Insulation (dB)

Thickness (mm)	2	3	4	5	6	8	10	12
PoliComp and Scudo	25	26	27	28	29	31	33	34

Weight (Kg/m²)

Thickness (mm)	2	3	4	5	6	8	10	12
PoliComp and Scudo	2.4	3.6	4.8	6.0	7.2	9.6	12.0	14.4
Glass	5	7.5	10	12	15	20	25	30





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