



GALLINA
USA

Polycarbonate Sheetting &
Glazing Systems

A&C
PLASTICS, INC.



Service. It's what we deliver.

Phone: 1(800)231-4175
Email: esales@acplastics.com

6135 Northdale
Houston,
TX 77087

3801 25th Ave
Schiller Park,
IL 60176

2590 Durango Dr
Colorado Spring,
CO 80910



member
iapd

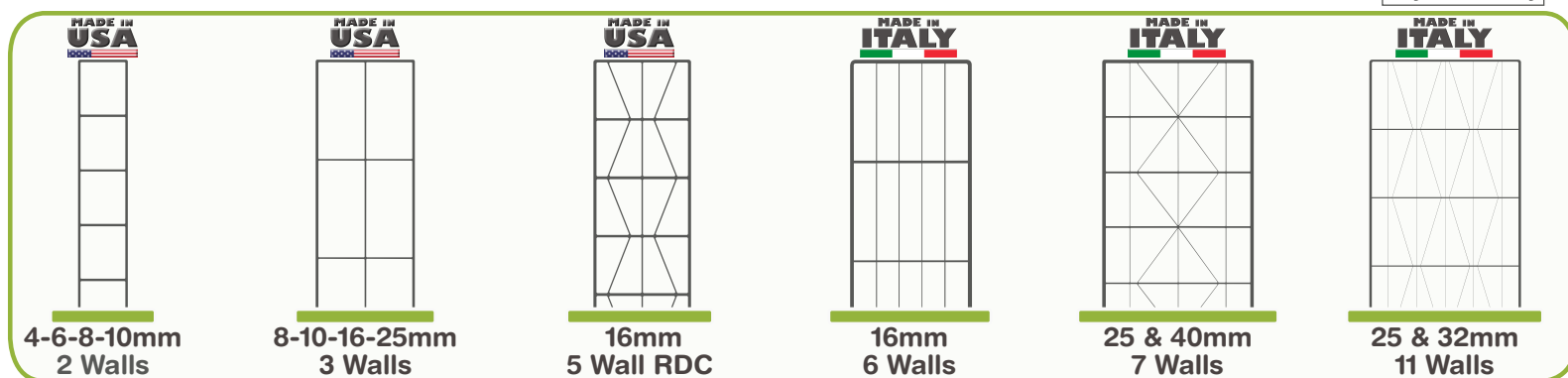
international association
of plastics distribution

PoliCarb®

Accessories

Multiwall Polycarbonate Panels coextruded with UV Protection designed for roofing, vertical walls, windows, & skylights

10 year Warranty



ALUMINUM
Poli-Lok®
SYSTEM



Production Standards - *NFRC test data may vary from published data*

Thickness (mm)	4	6	8	10	8	10	16	25*	16	16	25	40	25	32
Thickness (in)	5/32	1/4	5/16	3/8	5/16	3/8	5/8	1	5/8	5/8	1	1-9/16	1	1-1/4
Structure (walls)	2 Wall				3 Wall				5 Wall RDC	6 Wall	7 Wall		11 Wall	
Min. Bend Radius	30"	39"	59"	69"	69"	79"	110"	158"	138"	110"	DO NOT BEND			
Weight (lb/ft²)	0.164	0.266	0.307	0.348	0.348	0.430	0.553	0.665	0.522	0.574	0.717	0.799	0.696	0.758
U-Value 1 (R=1/U)	0.68	0.61	0.58	0.52	0.52	0.47	0.40	0.34	0.36	0.32	0.26	0.19	0.23	0.19
Visible Light Transmission (VLT%)														
Clear	85	80	81	82	76	74	74	72	65	60	58	55	45	44
Bronze	57	42	42	42	-	42	37	35	30	-	-	-	-	-
Opal	58	57	57	57	-	52	52	35	40	40	40	35	33	29
Blue	-	53	53	48	-	-	45	-	-	-	-	-	-	-
Green	-	54	54	54	-	-	42	-	-	-	-	-	-	-
Solar Heat Gain Coefficient (SHGC)														
Clear	0.83	0.80	0.82	0.82	0.78	0.75	0.75	0.75	0.68	0.62	0.62	0.59	0.52	0.51
Bronze	0.66	0.66	0.70	0.75	-	0.57	0.57	-	0.50	-	-	-	-	-
Opal	0.66	0.66	0.65	0.64	-	0.62	0.63	0.63	0.45	0.45	0.45	0.39	0.44	0.38
Blue	-	0.66	0.70	0.70	-	-	0.65	-	-	-	-	-	-	-
Green	-	0.66	0.70	0.70	-	-	0.60	-	-	-	-	-	-	-
Shading Coefficient (SC)														
Clear	0.95	0.91	0.94	0.94	0.90	0.86	0.86	0.86	0.78	0.71	0.71	0.68	0.60	0.59
Bronze	0.76	0.76	0.80	0.86	-	0.65	0.65	-	0.57	-	-	-	-	-
Opal	0.76	0.76	0.75	0.74	-	0.71	0.72	0.72	0.52	0.52	0.52	0.45	0.50	0.44
Blue	-	0.76	0.80	0.80	-	-	0.74	-	-	-	-	-	-	-
Green	-	0.76	0.80	0.80	-	-	0.69	-	-	-	-	-	-	-
ASTM E84 Class	A	A	A	A			A	A	A		A			
ASTM D635 Class		CC1	CC1	CC1			CC1	CC1	CC1		CC1	CC1	CC1	CC1

PoliCarb®

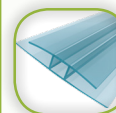
Accessories



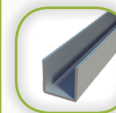
8-10mm / 16mm
Corner "R" Profile



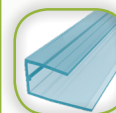
8-10mm / 16mm
Flashing "F" Profile



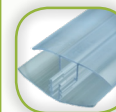
6/8/10/16/20/25mm
PC Connector "H"
Profile



8/10/16mm
Aluminum "U"
Profile



6/8/10/16/25mm
PC "U" Profile

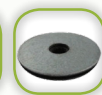
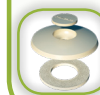


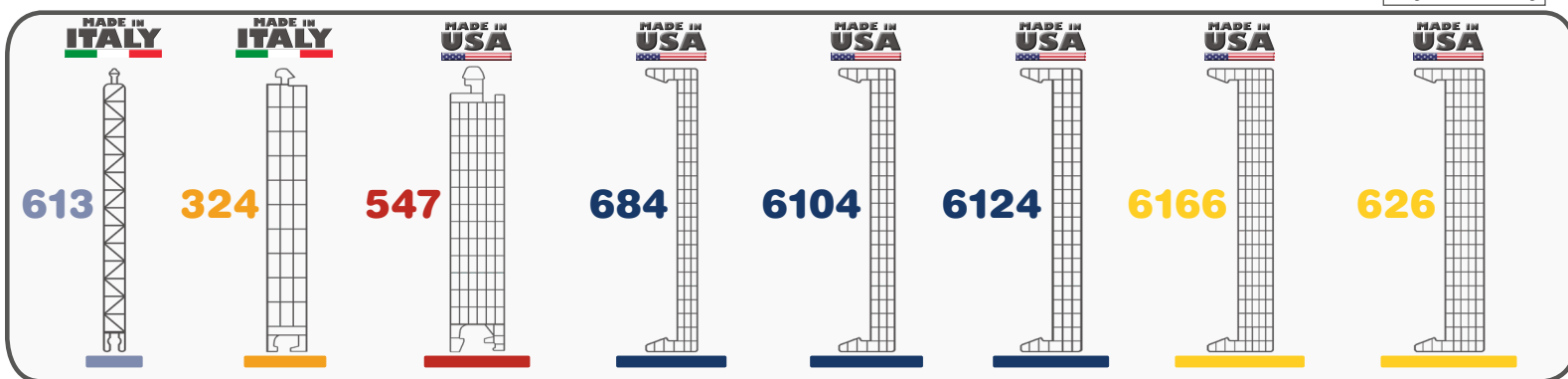
6-10mm
PC Snap "H"
Connector Profile

Washer w/
Gasket

Bubble
Washer

Neoprene
Washer





Special Treatments Applicable to ArcoPlus Material:

IR REDUCES THE INTERIOR SOLAR HEAT GAIN COEFFICIENT BY 20%

UV UV PROTECTION WITH A MATTE FINISH. THIS TREATMENT CAN BE APPLIED TO BOTH SIDES

CALEIDO AN INFINITE RANGE OF COLORS ARE AVAILABLE UPON REQUEST

Production Standards

System	324	613	*547	*684	6104	6124	6166	*626
Structure (Walls)	4 wall	3 wall	7 wall	4 wall			6 wall	
Thickness (mm)	20	10	40	8	10	12	16	20
Width (in)	13.11	23.82	19.68	23.62	23.62	23.62	23.62	23.62
Min. Bend Radius	Do not Bend			6.56 ft	8ft	8.2ft	9.5ft	13ft
Weight (lb/ft ²)	0.512	0.348	0.817	0.400	0.451	0.502	0.614	0.655
U-Factor (R=1/U)*	0.32	0.475	.188/.28*	0.475	0.44	0.40	0.32	0.264
UV Protection	1 Side	None	2 sided					

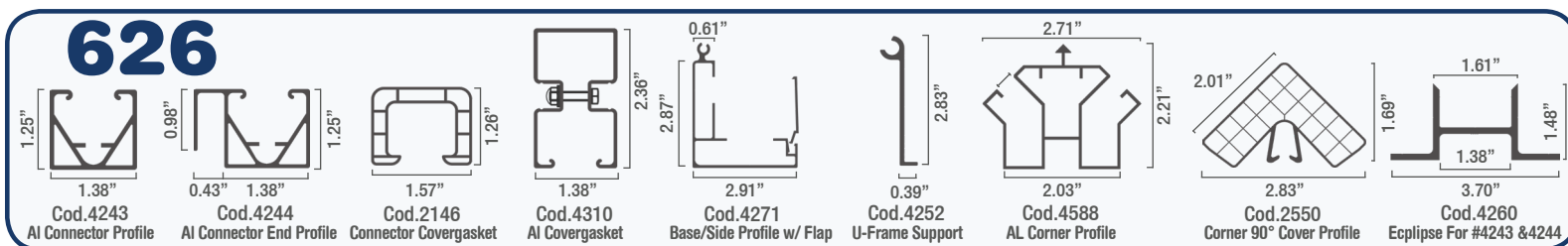
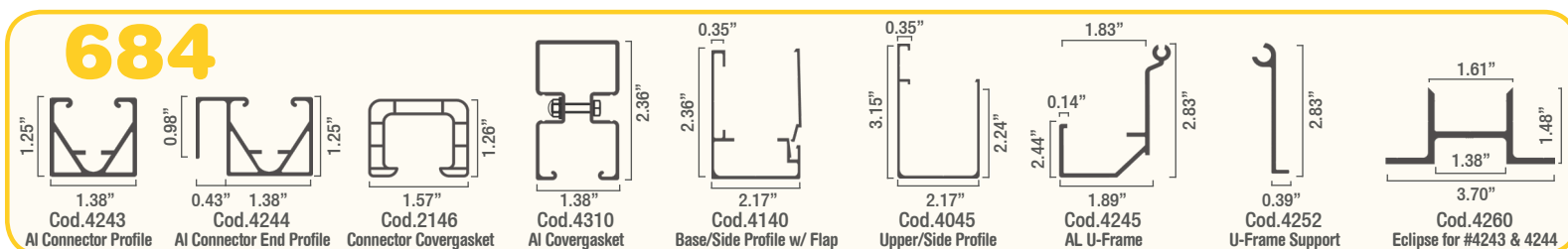
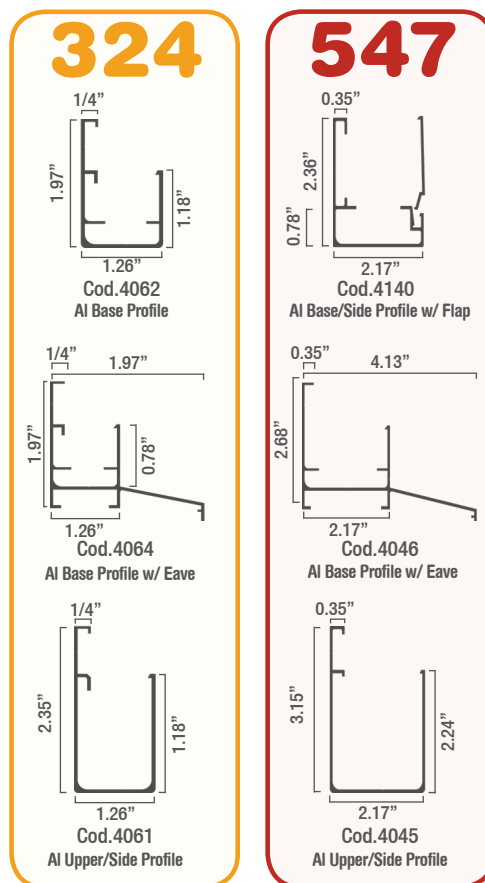
Visible Light Transmission (LT%)*

Clear	70	76	54	70	70	68	59	58
Opal	45	58	30*	42	38	36	34	33
Bronze	60	-	40	45	45	45	41	40
Green	65	-	60	-	-	-	-	48

Solar Heat Gain Coefficient (SHGC)*

Clear	0.74	0.81	0.58	0.71	0.70	0.70	0.63	0.62
Opal	0.50	0.65	0.39*	0.55	0.53	0.52	0.49	0.48
Bronze	0.67	-	0.47	0.50	0.50	0.50	0.46	0.45
Green	0.70	-	0.65	-	-	-	-	0.53
ASTM E84	Class B	N/A	Class A	Class A	N/A	Class A	N/A	Class A
ASTM D635	CC1	N/A	CC1	N/A	N/A	N/A	N/A	CC1

*NFRC test data may vary from published data. Please contact your Gallina sales representatives for information



Standing Seam Multiwall Polycarbonate Modular Systems with 2 side UV Protection designed for vertical walls & windows



*Contact Customer Service for Part #

626-6166



Reverso



#4303 PC cap for #2146	#2146 PC Connector Covergasket	#2179 PC Starter Profile	#2180 PC Terminal Profile	#4310 Al Connector Covergasket	#4319 Al Joining Connector	#4328 Extruded Bracket	#4264 Side Mounting Bracket	#4263 Flat Fastening Bracket	PC Block Cover*	#4213 LDPE Foam Pad	#4318 LDPE Foam Connector
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*Contact Customer Service for Part #

626-6166



Standard



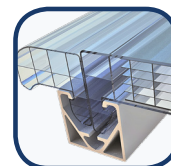
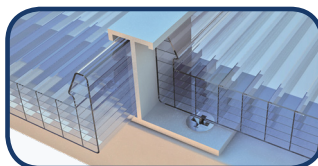
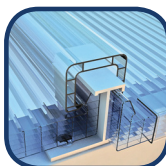
#4243 Al Connector Profile 32mm	#4244 Al Connector End Profile	#4260 Eclipse for #4243 & 4244	#4271 Al Base/Side Profile w/ Flap	#4245 Aluminum U-Frame	#4252 Al U-frame Support	#4588 Al Corner Profile	#2550 Corner 90° Cover Profile	#2179 PC Starter Profile	#2180 PC Terminal Profile	#4213 LDPE Foam Pad	Aluminum Block Cover*
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ADVANTAGES

- Easy & Low-Cost Installation
- Light Transmission
- Thermal Insulation
- Impact & Weather Resistant

PRODUCTION STANDARDS

Thickness	16 & 20mm
Structure	6 walls
Width	600mm (23.62")
Length	Unlimited



*Contact Customer Service for Part #

684-6104-6124



Reverso



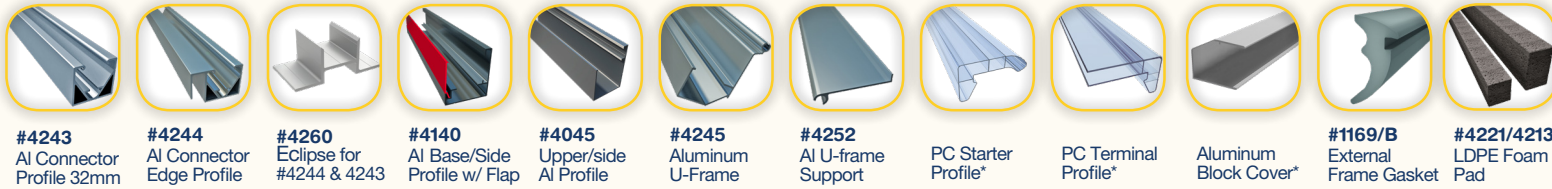
#4303 PC cap for #2146	#2146 PC Connector Covergasket	PC Starter Profile*	PC Terminal Profile*	#4310 Al Connector Covergasket	#4319 Al Connector Joining #4310	Extruded Bracket*	#4264 Sidemount Bracket	#4138 8mm Flat Fastening Bracket	Aluminum Block Cover*	#4213 LDPE Foam Pad	#4318 LDPE Foam Connector
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*Contact Customer Service for Part #

684-6104-6124



Standard



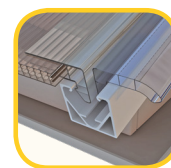
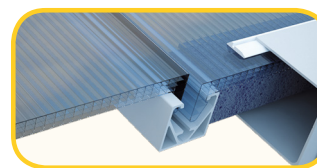
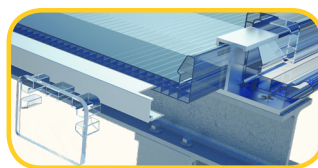
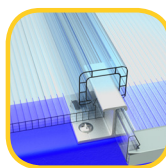
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ADVANTAGES

- Easy & Low-Cost Installation
- Light Transmission
- Thermal Insulation
- Impact & Weather Resistant

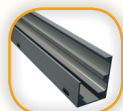
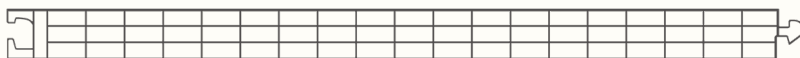
PRODUCTION STANDARDS

Thickness	8/10/12mm
Structure	4 walls
Width	600mm (23.62")
Length	Unlimited





324



#4062
Aluminum
Base Profile



#4064
Al Base profile
with Eave



#4061
Upper/Side
Profile



#1169/B
External Frame
Gasket



#4063
Stainless Steel
Bracket



Optional*
Taping
Surcharge

ADVANTAGES

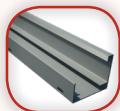
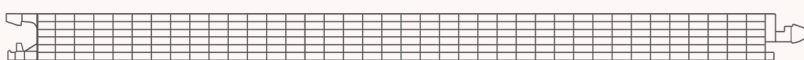
- Easy & Low-Cost Installation
- Light Transmission
- Thermal Insulation
- Impact & Weather Resistant

PRODUCTION STANDARDS

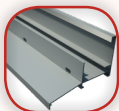
Thickness	20mm (3/4")
Structure	4 walls
Width	333mm (13.11")
Length	39ft



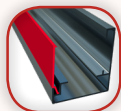
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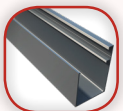
#4047
Aluminum
Base Profile



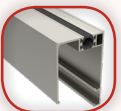
#4046
Al Base Profile
with Eave



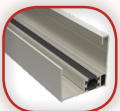
#4140
Al Base/Side
Profile w/ Flap



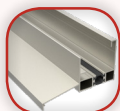
#4045
Al Upper/Side
Profile



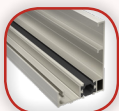
#4585*
Al Upper/Side
Profile TB



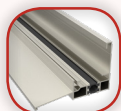
#4587*
Al Base
Profile TB



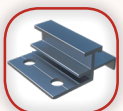
#4590*
Base Profile
w/ Eave TB



#4597*
Perimeter Al
Profile TB



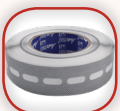
#4595*
Base Profile
w/ Eave TB



#4050
Al Bracket
60/120mm

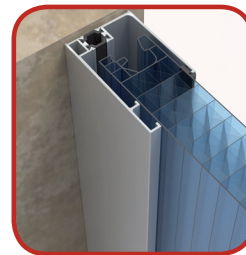
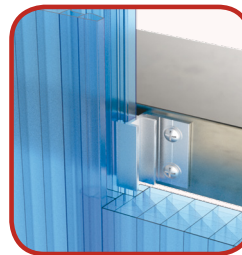
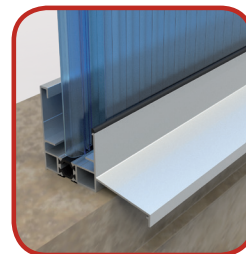
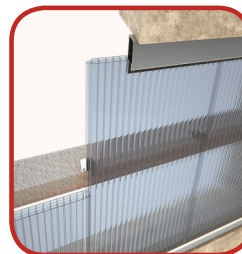


#1169/B
External
Frame Gasket



Optional*
Taping
Surcharge

TB= Thermal Brake *Special Order



ADVANTAGES

- Easy & Low-Cost Installation
- Light Transmission
- Thermal Insulation
- Impact & Weather Resistant

PRODUCTION STANDARDS

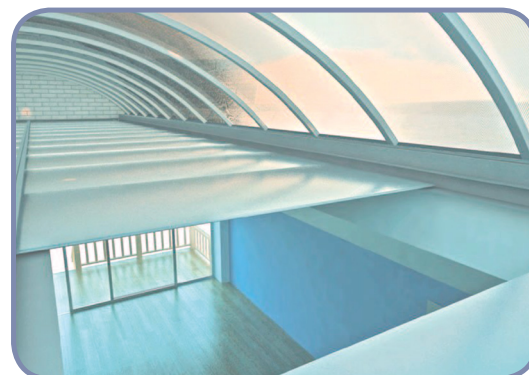
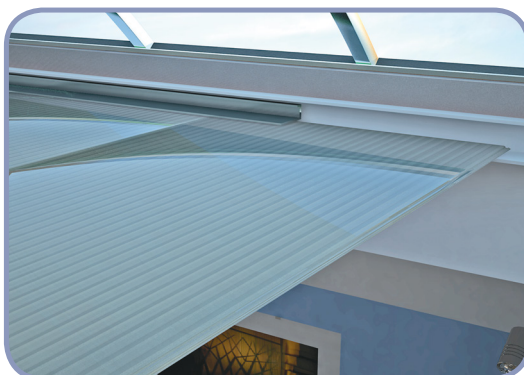
Thickness	40mm (1-9/16")
Structure	7 walls
Width	500mm (19.68")
Length	Unlimited

PRODUCTION STANDARDS

Thickness	10mm (0.394")
Structure	3 walls
Width	605mm (23.82")
Length	39ft

ADVANTAGES

- Easy & Low-Cost Installation
- Self-Supporting System
- Heat Insulation



Solid Polycarbonate Sheets
with 2 side UV Protection
designed for architectural
applications

10 year Warranty

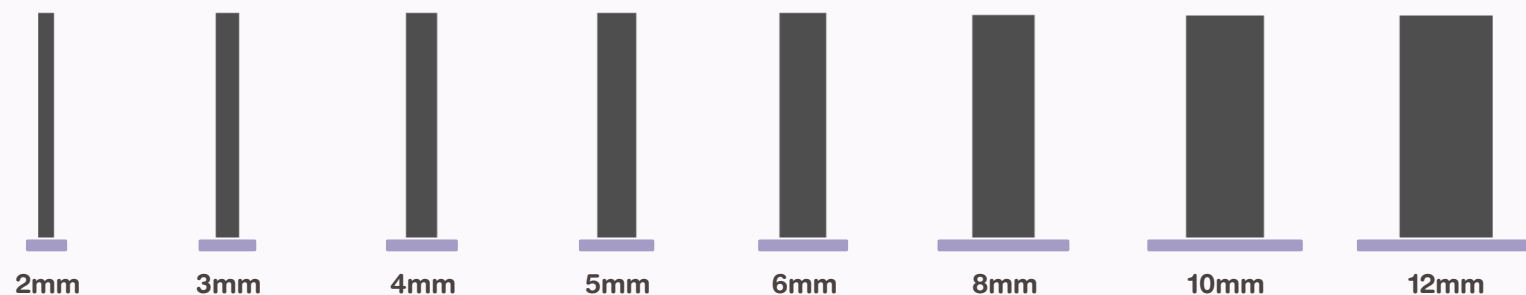
PoliComp®
SOLID SHEETS

General Purpose Solid
Polycarbonate Sheets with no
UV Protection designed for
industrial applications

Scudo®
SOLID SHEETS

**MADE IN
ITALY**

- * All PoliComp Products are protected with 2 side UV Coextrusion
- * Scudo Products are not protected with UV Coextrusion.



Technical Data: Production Standards

Thickness (mm)	2	3	4	5	6	8	10	12
Thickness (in)	0.093	0.118	0.157	0.197	0.236	0.315	0.394	0.472
U-Value ISO 10077-2	0.99	0.95	0.93	0.90	0.88	0.85	0.79	0.76
Sound Insulation Rw ISO 717-1 dB	25	26	27	28	29	31	33	34
Light Transmission (LT%) EN 14500	91	90	90	89	88	86	83	80
Minimum Bend Radius (in)	11.81	17.72	23.62	29.53	35.43	47.24	59.06	66.93

Technical Data: Typical Properties

Physical Properties	Nominal Value	Unit	Method
Density	74.91 (1,200)	lb/ft³ (kg/m³)	ISO 1183/B
Melt Mass Flow Rate (MFR) (300°C/1.2kg)	3.0	g/10min	ISO 1133
Water Absorption: 73°F (23°C), 24 hour Equilibrium, 73°F (23°C), 50% RH	0.15 0.32	% %	ISO 62-4
Refractive Index 68°F (20°C)	1,586	-	ISO 489
Mechanical Properties	Nominal Value	Unit	Method
Tensile Modulus	2350	MPa	ISO 527-2/50
Tensile Strength Yield:	Yield Break	60.0 72.0 MPa MPa	ISO 527-2/50
Tensile Elongation (Break)	150	%	ISO 527-2/50
Flexural Modulus	2300	MPa	ISO 178
Flexural Strength	90	MPa	ISO 178
Taber Abrasion Resistance	45	%	ASTM D1044
Impact	Nominal Value	Unit	Method
Notched Izod Impact 73°F (23°C) 73°F (23°C)	17.98 (960) 44.25 (93)	ft-lb/in (J/m) ft-lb/in² (kJ/m²)	ASTM D256 ISO 180/A
Thermal Properties	Nominal Value	Unit	Method
Vicat Softening Temperature	295-304 (146-151)	°F (°C)	ISO 306/B 50
Thermal Conductivity	1155.579 (0.2)	BTU/(hr-ft-°F) (W/m°C)	ISO 8302
Linear Thermal Expansion	0.065	(mm/m°C)	ISO 11359-2
Flammability	Nominal Value	Unit	Method
Flame Rating :	1.60 mm 3.20 mm	HB HB	- UL 94
Oxygen Index	26	%	ISO 4589-2
Average Extent of Burning	1.1811	in	ASTM D635



Electrical Properties	Nominal Value	Unit	Method
Volume Electrical Resistivity	2.0E+17	ohm-cm	IEC 60093
Dielectric Strength: 420 V/mil 430 V/mil	17 17	kV/mil kV/mil	ASTM D149 IEC 60243-1
Dielectric Constant: 60 Hz 1 MHz	3.00 3.00	- -	ASTM D150
Dissipation Factor: 60 Hz 1 MHz	1.0E-3 2.0E-3	- -	ASTM D150

ADVANTAGES

- High quality weather resistant aluminum extrusion
- Seamless finish with concealed screw covers
- Easy installation & assembly

