



# GALLINA USA

Polycarbonate Sheeting &  
Glazing Systems



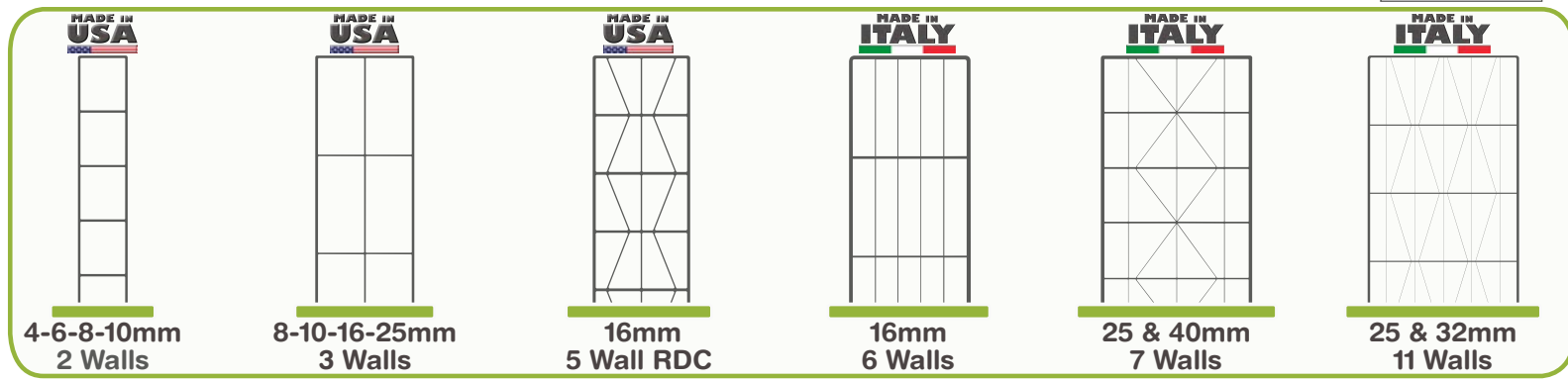
Gallina USA

1(888) I-NEED-GALLINA

(888)463-3342

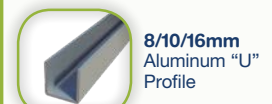
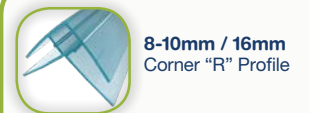


10 year Warranty



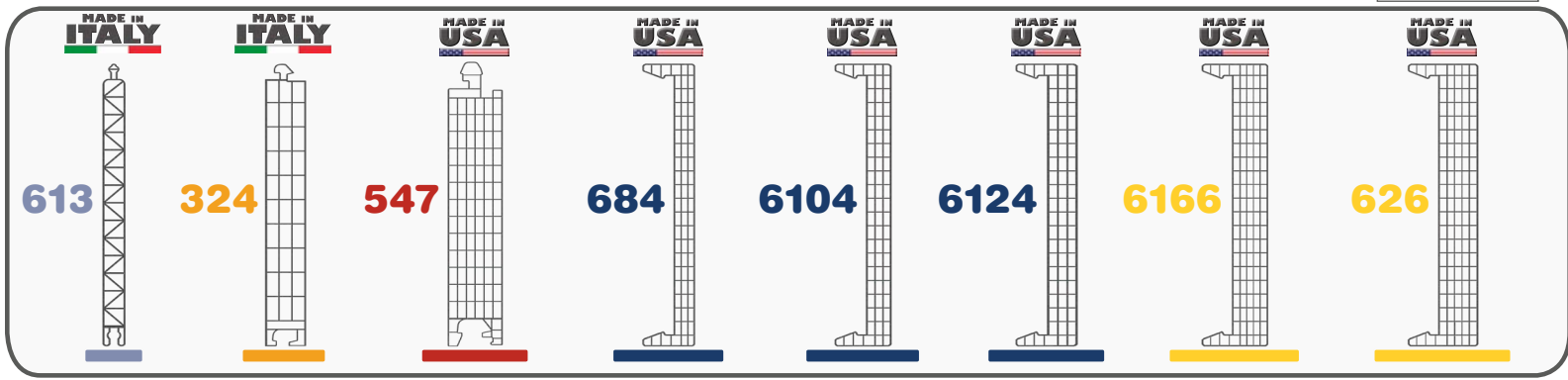
### Production Standards - \*NFRC test data may vary from published data\*

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
<b>Visible Light Transmission (VLT%)</b>														
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	-	-	-	-	-	-	-
<b>Solar Heat Gain Coefficient (SHGC)</b>														
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	-	-	-	-	-	-	-
<b>Shading Coefficient (SC)</b>														
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



Washer w/  
Gasket    Bubble  
Washer    Neoprene  
Washer





### Special Treatments Applicable to ArcoPlus Material:

**IR** REDUCES THE INTERIOR SOLAR HEAT GAIN COEFFICIENT BY 20%

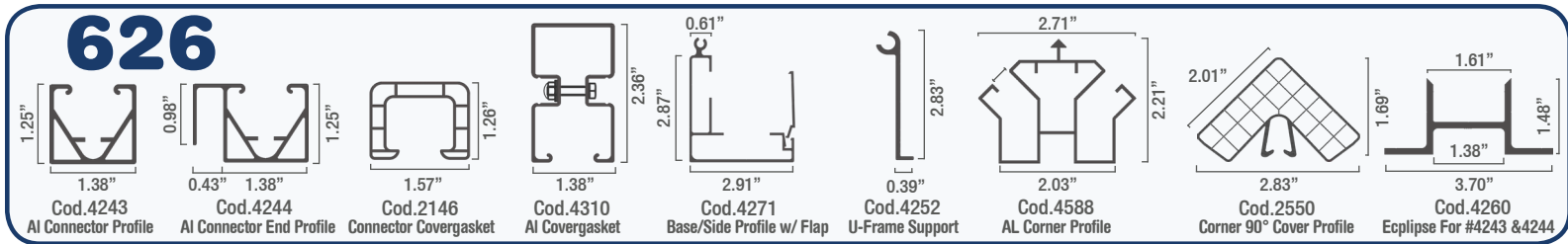
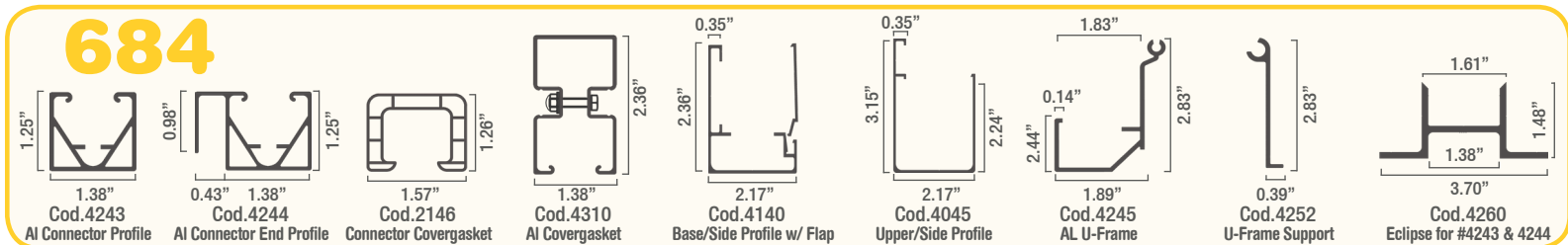
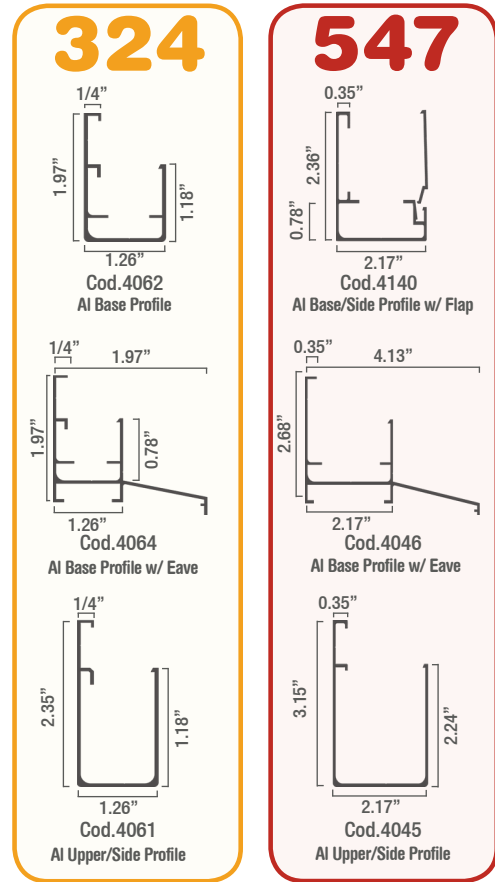
**UV** UV PROTECTION WITH A MATTE FINISH. THIS TREATMENT CAN BE APPLIED TO BOTH SIDES

**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 <sup>2</sup> )	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**

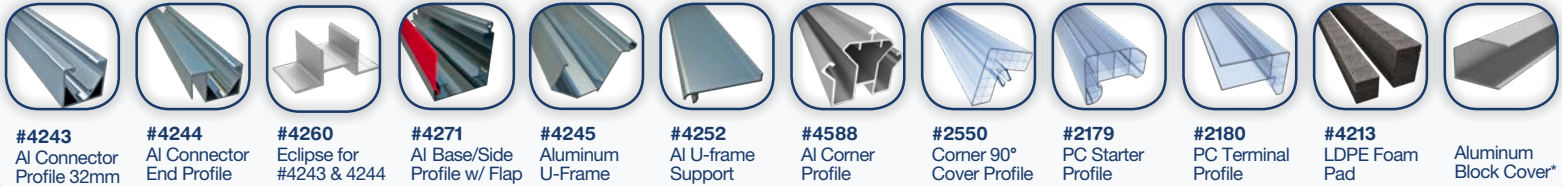


\*Contact Customer Service for Part #

## 626-6166



**Standard**

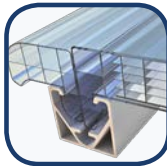
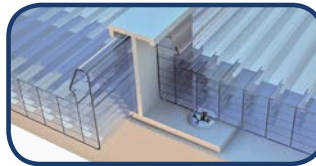


### ADVANTAGES

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

### PRODUCTION STANDARDS

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



\*Contact Customer Service for Part #

## 684-6104-6124

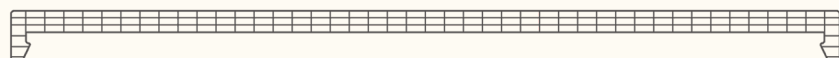


**Reverso**

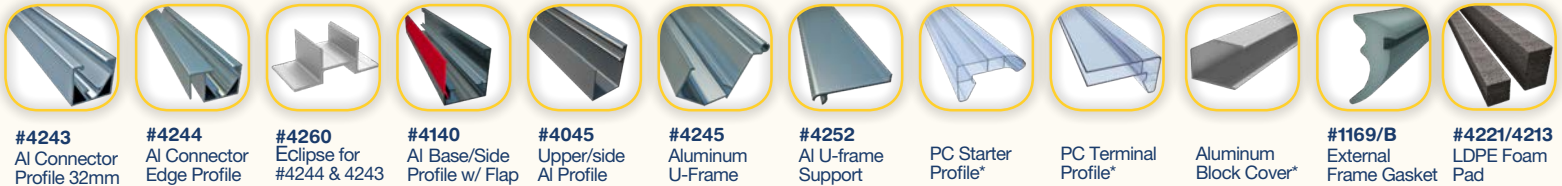


\*Contact Customer Service for Part #

## 684-6104-6124



**Standard**

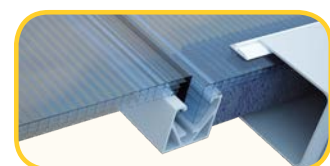
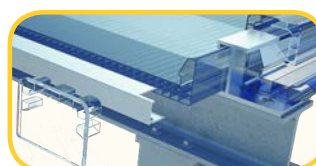
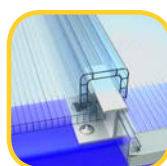


### ADVANTAGES

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

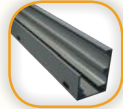
### PRODUCTION STANDARDS

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

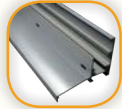




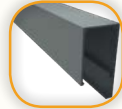
### 324



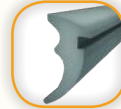
#4062  
Aluminum  
Base Profile



#4064  
Al Base profile  
with Eave



#4061  
Upper/Side  
Profile



#1169/B  
External Frame  
Gasket



#4063  
Stainless Steel  
Bracket



Optional\*  
Taping  
Surcharge

### ADVANTAGES

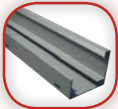
- Easy & Low-Cost Installation
- Light Transmission
- Thermal Insulation
- Impact & Weather Resistant

### PRODUCTION STANDARDS

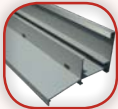
Thickness	20mm (3/4")
Structure	4 walls
Width	333mm (13.11")
Length	39ft



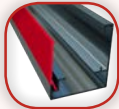
### 547



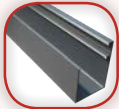
#4047  
Aluminum  
Base Profile



#4046  
Al Base Profile  
with Eave



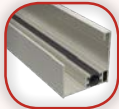
#4140  
Al Base/Side  
Profile w/ Flap



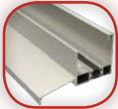
#4045  
Al Upper/Side  
Profile



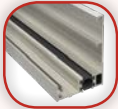
#4585\*  
Al Upper/Side  
Profile TB



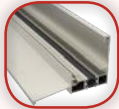
#4587\*  
Al Base  
Profile TB



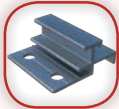
#4590\*  
Base Profile  
w/ Eave TB



#4597\*  
Perimeter Al  
Profile TB



#4595\*  
Base Profile  
w/ Eave TB



#4050  
Al Bracket  
60/120mm

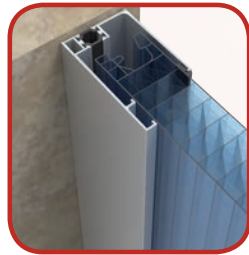
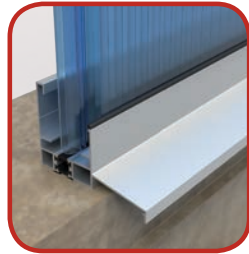
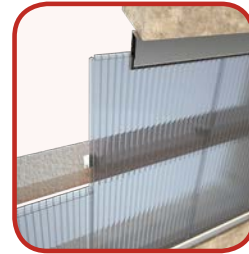


#1169/B  
External  
Frame Gasket



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

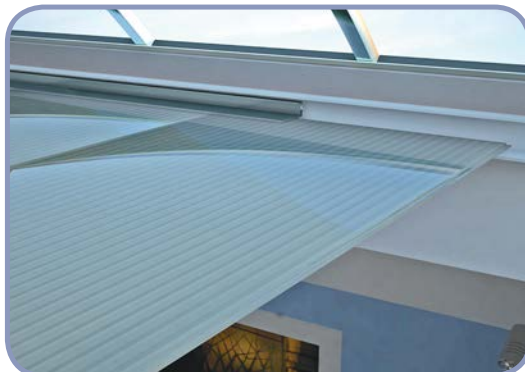


### PRODUCTION STANDARDS

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

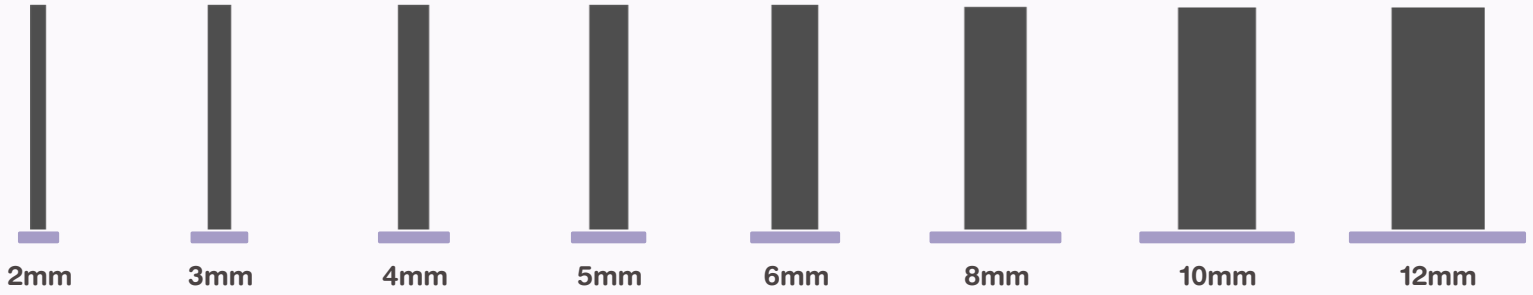
10 year Warranty

**PoliComp**<sup>®</sup>  
SOLID SHEETS

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

**Scudo**<sup>®</sup>  
SOLID SHEETS

\* 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
Sound Insulation Rw	ISO 717-1 dB	25	26	27	28	29	31	33
Light Transmission (LT%)	EN 14500	91	90	90	89	88	86	83
Minimum Bend Radius (in)		11.81	17.72	23.62	29.53	35.43	47.24	59.06



**Technical Data: Typical Properties**

Physical Properties	Nominal Value	Unit	Method	
Density	74.91 (1,200)	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	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/in <sup>2</sup> (kJ/m <sup>2</sup> )	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 <sup>2</sup> ·°F) (W/m <sup>2</sup> ·°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

