



# POLYCARBONATE PRODUCT LIST

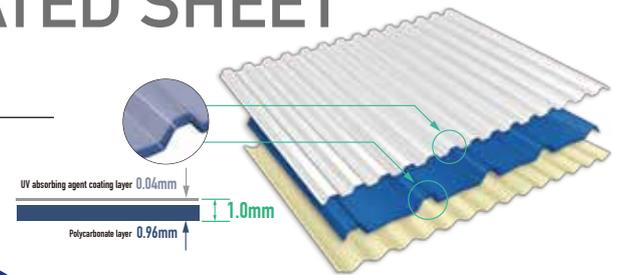
Top Choice Corrugated Polycarbonate Roofing Sheets

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# POLYCARBONATE CORRUGATED SHEET

Top Choice Corrugated Polycarbonate Roofing Sheets

## PRODUCTS



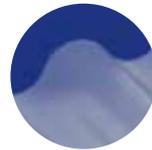
### Overview

Polycarbonate corrugated sheet is a high polymer with superior impact resistance, transparency and light transmission. Its excellent mechanical, thermal and electrical properties make it an outstanding material in a wide range of construction, architecture, agriculture, DIY project or any application designed to improve daylighting.

### Aesthetics

The corrugated sheet are essential in the buildings. Lyon Plastic as a professional supplier combines esthetics and functions and makes customization available for perfect coordination with the building materials besides the esthetic and durable attributes brought by extrusive surface on the coating of UV absorbers and precise sizes of waves.

### Diffused Panel



Diffused panels allows 89% light transmission, are designed to reduce unpleasant glare or the stark contrast of hard-edged shadows from direct sunlight while maintaining ample natural light.

This diffusion feature is a perfect feature for skylights, ridges lighting and vertical side light. Greenhouse applications can also being used where plants benefit from high levels of light for growth but need protection from harsh intense sunlight.

Diffused panels provide a more comfortable, worker-friendly environment for enhanced productivity. They also bring energy benefits by lowering artificial lighting needs. Diffuse option is available in all of our standard or custom profiles.

### UV Protection

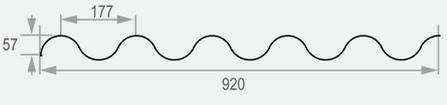
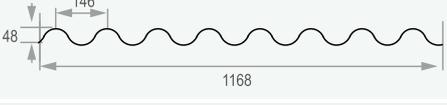
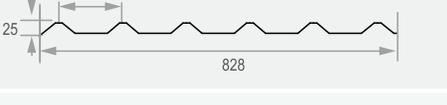
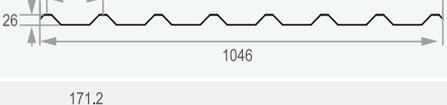
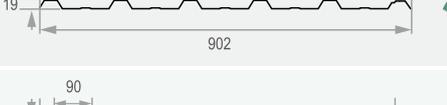
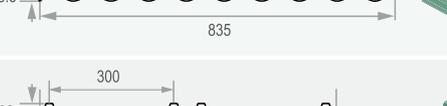
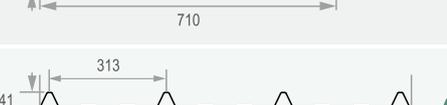
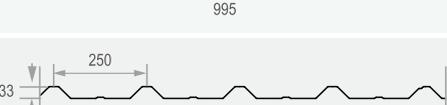
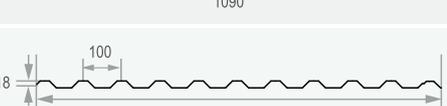
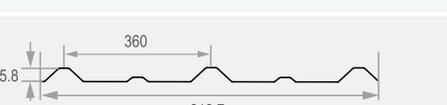
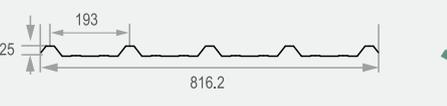
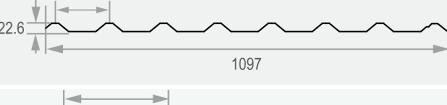
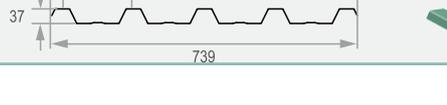
By using high density UV-absorbing agent in thickness of 0.04mm which is evenly coated on the surface of the sheets via co-extrusion process, our sheets has been stabilized to avoid yellowing, particularly in the range of UV wave length of 290nm~400nm, while less than 2.4% UV ray penetrability within wave length 300nm. Thus the polycarbonate sheets always remain fresh and is capable of screening off the UV ray within 400nm harmful to human health.

### Main Benefits

- Impact resistance:
1. Virtually unbreakable
  2. Transparent: up to 92% LT
  3. Weather and UV resistant
  4. Wide service temperature range
  5. High flammability rating

	DESCRIPTION	COLORS				
CLEAR	Transmits up to 90% natural daylight, resulting in high lighting within the structure.	CLEAR (CL001)				
TRANSPARENT	Low haze colors offering high clarity.	BLUE (BL001)	GREEN (GR001)	DARK BRONZE (BZ001)	BRONZE TINT (BZ002)	DARK BRONZE (BZ003)
		GARY (GE001)	GARY (GE002)	GREY TINT (GE003)	BURGUNDY (CT001)	
TRANSLUCENT	Light transmission 24-45% White Diffuser : Transmit 85-90% visible light with complete light transmission, produces diffused and consistent lighting within the structure	PEARL (PR001)	OPAL (OP001)	CREAM (CM001)	BEIGE (CPP)	OPAL DIFFUSER
OPAQUE	Light transmission 5-24% Colors that transmit very little to no light	SILVER (SL001)	GREY (CPP)			

No.	Profile	Thickness (mm)	Pitch (mm)	Depth (mm)	Width (mm)	Effective Width (mm)
L1		0.8 ~ 2.0	190	26	820	760
L2		0.8 ~ 2.0	260	26	840	780
L3		0.8 ~ 2.0	210	26	910	840
L4		0.7 ~ 0.8	76	18	1050 Customized Maximum	988
L5		0.65 ~ 0.8	76	18	1045 Customized Maximum	-
L6		0.8	63	16	720	690
L7		0.8	128	38	980	896
L8		0.65 ~ 0.8	32	9	1000	934
L9		0.8 ~ 2.0	203	41	450	406
L11		0.8	85	22	850	765
L13		0.65 ~ 0.8	32	9	1000	934
L14		0.7 ~ 0.8	76	18	1030	988
L15		0.8 ~ 2.0	337	33	1118	1012
L16		0.8 ~ 1.0	9"	3/4"	38"	36"
L17		0.8 ~ 1.0	12"	1 1/4"	38"	36"
L18		1.2	24"	4"	24"	--
L19		0.8 ~ 2.0	193	35	841.5	773

No.	Profile	Thickness (mm)	Pitch (mm)	Depth (mm)	Width (mm)	Effective Width (mm)
L20		1.0 ~ 1.2	177	57	920	885
L21		0.8	146	48	1168	1022
L22		0.8 ~ 2.0	147	25	828	738
L23		0.8 ~ 2.0	144	26	1046	1008
L24		0.8 ~ 2.0	171.2	19	902	856
L25		0.8 ~ 1.2	90	18.5	835	810
L26		0.8 ~ 1.2	300	38	710	666
L27		0.8 ~ 2.0	313	41	995	939
L28		0.8 ~ 2.0	250	33	1090	1000
L29		0.8 ~ 1.2	100	18	1050	1000
L30		0.8 ~ 2.0	360	35.8	818.7	720
L31		0.8 ~ 2.0	333	35	1086	1000
L32		0.8 ~ 2.0	193	25	816.2	772
L33		0.8 ~ 2.0	475	66	551	475
L34		0.8 ~ 1.2	147.1	22.6	1097	1029.7
L35		2.0	250	150	564	500
L37		0.8 ~ 2.0	172	37	739	688

No.	Profile	Thickness (mm)	Pitch (mm)	Depth (mm)	Width (mm)	Effective Width (mm)
L38		0.8 ~ 2.0	222	31	958	885
L39		0.8 ~ 2.0	213	19	1121	1065
L40		0.8 ~ 2.0	176	19	1120	1056
L42		0.8 ~ 2.0	358	40	798	716
L44		0.8 ~ 2.0	9"	15.59	36"	914.4
L46		0.8 ~ 1.2	148.6	24.6	1080.48	1040.2
L49		0.8 ~ 2.0	205	25	1107	1026
L50		0.8 ~ 2.0	372.5	40	819.7	745
L52		0.8 ~ 2.0	182	40	995	910
L54		0.8 ~ 2.0	190	45	820	760
L56		0.8 ~ 2.0	191	29	832.12	764
L59		1.2	24"	4"	24"	—
L60		0.8 ~ 2.0	166.5	23.5	1060.91	999
L61		1.2	390	50	871.2	780
L62		1.0	182	34	989	910

UV-Proof(UV-coated): Treated with special processing of UV-layer of anti-ultraviolet ray on surface, the sheets would not become yellowish or have any change in optical and mechanical property even after long exposure to sunlight. 10 years' quality warranty is provided.



Do It Yourself



Agriculture



Construction



Architecture



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