



DOMER



DOMER.CO
DURAPOLL PS
CORRUGATED SHEET



Domer Plastic Industries LLC

DOMER DURAPOLL PS

Domer Durapoll PS is polycarbonate translucent corrugated sheet having high light transmission, outstanding durability, excellent impact resistance and can withstand high temperatures up to 120 Celsius.

Our polycarbonate is co-extruded with UV coating designed to eliminate 99% of harmful ultra-violet rays.

Domer Duralpoll PS polycarbonate corrugated sheets are available from 0.8mm up to 6mm in thickness.



APPLICATIONS

- Roofing Panels
- Roofing Skylights
- Siding/Wall Panels
- Siding/Wall Skylights
- Insulated Panel Assembly
- Ceiling & Wall Liner
- Green Houses
- Car Parking Covers
- Fencing
- Decorative Partitions

ADVANTAGES

- Light Weight
- High light transmission
- High impact strength
- Easy to install
- UV protection
- Thermal Stability



STANDARD COLORS

Clear



Blue-Green



Blue



Green



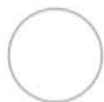
Bronze



Absorbed green



Red Pearl



Opal



Red



Yellow



Reflective Grey



Reflective Blue



Absorbed Blue



Solar Ice

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ADVANCED OPTIONS



DOMER SMART SOLAR CONTROL

Domer solar control panels apply resin-modified technology with three different solar smart types which can effectively block the infrared harmful rays while letting in the visible light, significantly reducing the building energy cost and creating more comfortable indoor environment



DOMER LIGHT DIFFUSE

Domer Diffusive Sheet offers many light diffusion levels to help achieve the desired lighting qualities. Some designs, per example, may want a low level of diffusion to soften the edges of emitted light. Others may need more light diffusion to reduce direct glare. Having these diffusion options allow designers in achieving the lighting qualities they desire for a specific fixture.



DOMER EMBOSSED

Domer Embossed sheet provides light diffusion and prevents see-through vision as deemed necessary for a variety of applications. Polycarbonate embossed sheets can distribute the light reducing the light pollution



DOMER ANTI FOG

Domer anti fog panels apply the latest hydrophilic coating technology which prevents the condensation of water commonly happening on the standard multi-wall polycarbonate panels. Domer anti-fog panels are widely used in greenhouse and plant ecological gardens to effectively protect the crops and flowers from the damage of water condensation.



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Domer Durapoll PS corrugated sheets can achieve the following fire classifications upon request:

- Class A - ASTM E84
- Class b s1 d0 according to EN 13501-1

(Fire classification is subject to thickness, please contact Domer Plastic Industries LLC for more info



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PROPERTIES

Property	Method	Conditions	Units	Value
Density	D-792		g/cm ³	1.2
Heat deflection temperature	D-648	Load: 1.82 Mpa	°C	135
Service Temperature - Short term				-50 to ±120
Service Temperature - Long term			°C	-50 to ±100
Coefficient of linear thermal expansion	D-696		mm/mC	0.065
Thermal Conductivity	C-177		W/mK	0.21
Tensile Strength at yield	D-638	10 mm/min	Mpa	62
Tensile Strength at break	D-638	1 mm/min	Mpa	65
Elongation at yield	D-638	10 mm/min	%	6
Elongation at break	D-638	10 mm/min	%	>70
Tensile modulus of elasticity	D-638	1 mm/min	Mpa	2300
Flexural strength mechanical	D-790	1 mm/min	Mpa	93
Flexural modulus	D-790	1.3 mm/min	Mpa	1890
Impact falling weight	(ISO 6603/1 E50)	0.8 mm sheet	J	50
Rockwell hardness	D-785		R Scale	118
Light transmission	D-1003	Clear sheet	%	90%
Haze	D-1003	Clear Sheet	%	<0.5
Yellow index	D-1003	Clear sheet	YI	<1

