

PRODUCT DATA SHEET (REV20250527)

PC / POLYCARBONATE **STRONG 6-WALL** SHEET

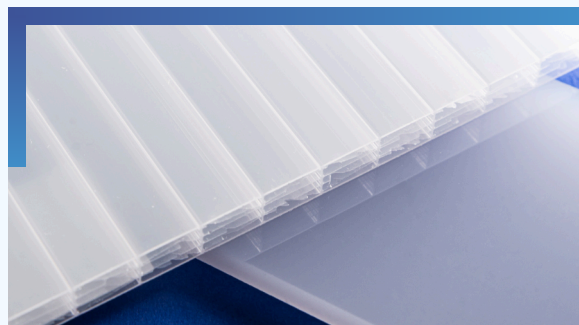
High-Stiffness Multiwall Polycarbonate for Low-U Glazing and Large-Span Installations.

SRT Plastics Multiwall Strong 6 Wall is a specially engineered multiwall polycarbonate sheet designed to deliver superior stiffness, thermal insulation, and durability. Its cross-structured core enables wider spans with fewer glazing bars, reducing installation costs while maintaining high light transmission. Available in clear, opal, and bronze with optional one or two-sided UV protection, it is ideal for demanding architectural and agricultural applications.

A 10-year limited warranty ensures long-term performance even in outdoor conditions.

KEY ADVANTAGES

- Stronger core structure for reduced need for support framing
- Excellent thermal insulation with low U-values
- High light transmission with good diffusion in translucent options
- One- or two-sided UV protection for long outdoor life
- Lightweight and easy to cut, shape, or install
- Fire performance classified B-s1, d0 (EN 13501-1)



TYPICAL APPLICATIONS

- Large-span roofing, cladding, and façades for commercial buildings
- Agricultural structures such as barns, greenhouses, and tractor ports
- Skylights, domes, conservatories, and swimming pool enclosures
- Shopping centres, train stations, and stadium roofing
- Protective packaging for optical components and signage
- Translucent wall panels and light-diffusing partitions



AVAILABLE DIMENSIONS

- Available in 8, 10 and 16mm
- Standard colours include clear, opal and bronze
- Available with one or two sided UV protection
- Custom colours available on request.
- Also available in Hammer Finish and Solar Control



The information contained within this datasheet is for guidance only.

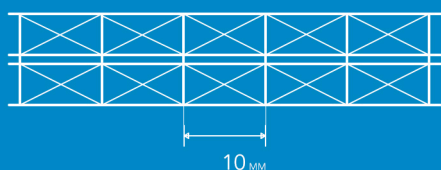
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PROPERTY				VALUE	UNIT	STANDARD
PHYSICAL PROPERTIES						
Density				1,2	g/cm ³	ISO 1183
Refractive index (20°C)				1.586	-	ISO 489
Moisture Absorption (24h, 23°C, 50% RH)				0.15	%	ISO 62
MECHANICAL PROPERTIES						
Tensile Strength (Yield / Break)				60 / 70	N/mm ²	ISO 527
Elongation (Yield / Break)				6 / 110	%	ISO 527
Elastic Modulus				>2300	N/mm ²	ISO 527
Flexural Modulus				>2300	N/mm ²	ISO 178
Impact Strength (charpy unnotched, -40°C)				NB	kJ/m ²	ISO 179/1eU
Impact Strength (charpy notched, -30°C)				11	kJ/m ²	ISO 179/1eA
Izod Notched Impact (+23°C / -30°C)				65 / 10	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES						
Coefficient of Linear Thermal Expansion (20-70°C)				65x10 ⁻⁶	K ⁻¹	ISO 11359-2
Heat Deflection Temp (HDT A - 1.80 Nmm ²)				132	°C	ISO 75
Heat Deflection Temp (HDT B - 0.45 Nmm ²)				142	°C	ISO 75
Vicat Temperature VST/B 120				149	°C	ISO 306
Vicat Temperature VST/B 50				148	°C	ISO 306
Thermal Conductivity				0.20	W/m.K	ISO 8302

Thickness	Rib Distance	Mass/Unit Area	U-Value	Width				Standard Colours			UV Sides
				2100	1250	1200	980	Clear	Opal	Bronze	
8mm	10mm	1500g/m ²	2,7W/m ² *K	✓	✓	✓	✓	✓	✓	✓	1(2)
10mm	10mm	1500/1700g/m ²	2,2W/m ² *K	✓	✓	✓	✓	✓	✓	✓	1(2) / 1(2)
16mm	10mm	2500/2600/2700g/m ²	1,9W/m ² *K	✓	✓	✓	✓	✓	✓	✓	1(2) / 1(2) / 1(2)



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