



## AZCARB MWS MULTI WALL Polycarbonate Sheet

**AZCARB MULTI WALL** Polycarbonate Sheet offers excellent light transmission, exceptional impact resistance and outstanding strength to weight ratio making it a far superior option compared to other glazing materials.

Key applications include architectural roofing, greenhouses, data center temperature containment, pool enclosures, vertical glazing and pergolas.

### DIMENSIONAL/COLOR AVAILABILITY

Structure	Thickness	Standard Width		
		41	48	72
<b>Twin Wall</b>	4mm	✓	✓	✓
	6mm	✓	✓	✓
	8mm	✓	✓	✓
	10mm	✓	✓	✓
<b>X Structure</b>	16mm			✓
<b>Honeycomb</b>	10mm			✓
	12mm			✓

max sheet size 474'

Colors available: clear, bronze, opal, green, blue

Specials Available: double sided UV, condensation control

- Excellent thermal insulation for data center curtains
- High impact strength
- UV protection layer co extruded & weatherable
- Lightweight and energy efficient
- Easily fabricated
- Anti-Condensate Coating
- Fire Rating – Class A CC1 per ASTM D635
- Lightweight and Easy to Install
- 100% Recyclable – 50% Post Consumer ECO Grade Available
- Limited ten (10) Year Warranty against breakage and yellowing

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### TYPICAL STANDARD PROPERTIES<sup>1</sup>

Property	Method	Conditions	Units	Value
Density	D-792		g/cm <sup>3</sup>	1.2
Heat deflection temperature (HDT)	D-648	Load: 1.82 MP	°C	135
Service Temperature - Short term			°C	-50 to +120
Service Temperature - Long term			°C	-50 to +100
Coefficient of linear thermal expansion	D-696	mm/mm	°C	6.5x10 <sup>-5</sup>
Tensile strength at yield	D-638	10 mm/min	MPa	62
Elongation at break	D-638	10 mm/min	%	>90
Impact falling dart	ISO 6603/1		J	40-400
Practical thermalexpansion/contraction			mm/m	3

<sup>1</sup>Values reported are averages and should not be used for specification purposes. <sup>2</sup>Test performed on 0.118" (3mm) thick specimens; all other test specimens 0.236" (6mm) thick. Note: NB=no break.

### Twinwall (Twin) - thickness 4, 6, 8, 10mm



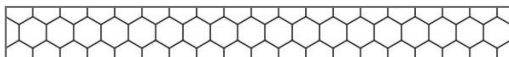
Thickness	U-Value
4mm	3.9
6mm	3.7
8mm	3.4
10mm	3.2

### X Structure Wall (X) - Thickness 16mm



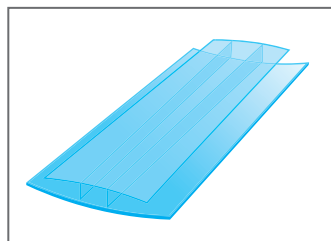
Thickness	U-Value
16mm	2.0

### Honeycomb - thickness 10 and 12 mm

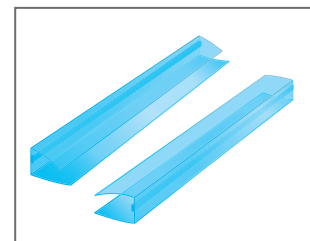


Thickness	U-Value
10mm	1.9
12mm	1.6

### H - Profile



### J - Profile



AZCARB MWS Polycarbonate Sheet is a combustible thermoplastic. Observe fire precautions appropriate for comparable forms of wood and paper. For building uses, check code approvals. Impact resistance is a factor of thickness. Avoid exposure to heat or aromatic solvents. Clean with soap and water. Avoid abrasives. The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, AZPolymers expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.

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