



# Makrolon® VR sheet

## Flexible Enclosure

Makrolon® VR sheet is a polycarbonate product designed for high optical quality and exceptional durability. Proprietary UV technology ensures long lasting outdoor weathering performance while protecting occupants from the sun's harmful UV rays. State-of-the-art manufacturing processes provide low optical distortion for clear views and unparalleled sight lines.

Makrolon VR can be easily cut and sewn, offering a high clarity, wrinkle-free alternative to flexible vinyl. The product can be rolled, making it ideal for applications with limited storage.

Makrolon VR is offered with a five (5) year Limited Product Warranty against breakage. The terms of the warranty are available upon request.

## Applications

Marine flexible enclosures, tent and awning enclosures

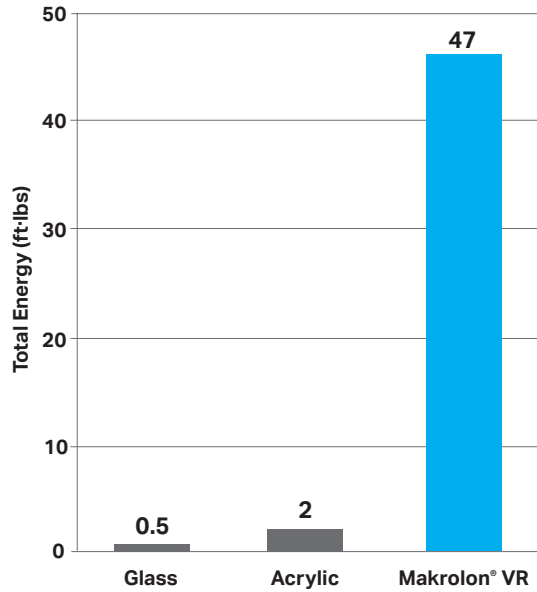
### Typical Properties\*

Property	Test Method	Units	Values
<b>PHYSICAL</b>			
Specific Gravity	ASTM D 792	–	1.2
Light Transmission, Clear @ 0.040"	ASTM D 1003	%	90
<b>MECHANICAL</b>			
Izod Impact Strength, Notched @ 0.125"	ASTM D 256	ft-lbs/in	16
Izod Impact Strength, Unnotched @ 0.125"	ASTM D 256	ft-lbs/in	No Break
Instrumented Impact @ 0.125"	ASTM D 3763	ft-lbs	47
Poisson's Ratio	ASTM E 132	–	0.38
Rockwell Hardness	ASTM D 785	–	M70/R118
<b>THERMAL</b>			
Coefficient of Thermal Expansion	ASTM D 696	in/in/°F	$3.75 \times 10^{-5}$
Heat Deflection Temperature @ 264 psi	ASTM D 648	°F	270
Heat Deflection Temperature @ 66 psi	ASTM D 648	°F	280

\*Typical properties are not intended for specification purposes

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## Impact Resistance\*



\*Instrumented Impact per ASTM D 3763,  
sample thickness 0.125" nominal



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