

FLEXIBLE ENCLOSURE

TUFFAK 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 rays. State-of-the-art manufacturing processes provide low optical distortion for clear views and unparalleled sight lines. TUFFAK VR can be easily cut and swn offering a high clarity, wrinkle-free alternative to flexible vinyl. The product can be rolled, making it ideal for applications with limited storage. TUFFAK VR maintains its impact strength in extreme temperatures to -30°F. TUFFAK VR is offered with a five year Limited Product Warranty against breakage. The terms of the warranty are available upon request.

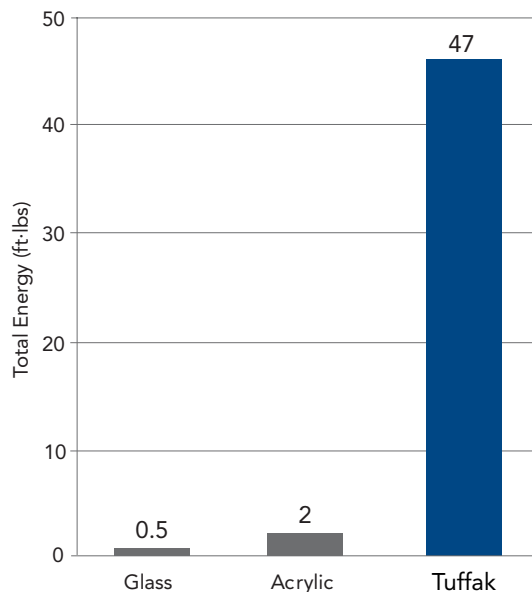
APPLICATIONS

Marine flexible enclosures, tent and awning enclosures

Typical Properties*			
Property	Test Method	Units	Values
PHYSICAL			
Specific Gravity	ASTM D 792	-	1.2
Light Transmission, Clear @ 0.040"	ASTM D 1003	%	90
MECHANICAL			
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
Instrumented Impact @ 0.125", @ -30°F	ASTM D 3763	ft.lbs	50
Poisson's Ratio	ASTM E 132	-	0.38
Rockwell Hardness	ASTM D 785	-	M70/R118
THERMAL			
Coefficient of Thermal Expansion	ASTM D 696	in/in/°F	3.75 x 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

Impact Resistance



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