



POLYMER INDUSTRIES

GEARED TOWARDS EXCELLENCE

TPS VALUEGUARD®



TPS ValueGuard Hurricane Panels- Polyolefin



Half the weight of metal panels



Easy to Install

The **TPS ValueGuard®** Hurricane Panels are manufactured using the highest quality proprietary UV resistant polymers available. The **TPS ValueGuard®** Hurricane Panels offer most of the features of our premium ClearGuard® product, but at substantial savings.

Flood Your Home's Interior with Natural Sunlight - ValueGuard® Hurricane Panels transmit up to 45% of available exterior natural light, allowing for more normal conditions in your home, especially during periods of power outages resulting from severe storms. With **TPS ValueGuard®** Hurricane Panels installed, you are no longer dependent on candles or flashlights. Virtually all available ambient daylight is transmitted directly into your home or business with **TPS ValueGuard®** Hurricane Panels, giving you a safer, more normal environment.



TPS
VALUEGUARD®

	Test Method	Units	TPS CLEARGUARD
Mechanical			
Specific Gravity	ASTM-D792	---	0.955
Tensile Strength @ Yield	ASTM-D638	psi	3,900
Tensile Strength @ Break	ASTM-D638	psi	4,500
Tensile Elongation @ Yield	ASTM-D638	%	7
Tensile Elongation @ Break	ASTM-D638	%	1,000
Flexural Modulus (Procedure B)	ASTM-D790	psi	2% Secant: 145,000
Tensile Impact Strength	ASTM-D1822	ft.-lb./in. ²	80
Durometer Hardness	ASTM-D2240	D Scale	61
Thermal			
DTUL @ 66 psi	ASTM-D648	°F	163
Brittle Temperature	ASTM-D746	°F	-105
Vicat Softening Point	ASTM-D1525	°F	264
Impact/Wind Load Testing			
Static Wind Load	ASTM-E330	inch 45-120	pass
Impact/Cyclic Wind Load	ASTM-E1886	impacts, 3	pass
Impact/Cyclic Wind Load	ASTM-E1996	inch 45-120	pass
Large Missile Impact	ASTM-E1996	ft/sec., 50	Level D-9lb
Uniform Static Air Pressure	ASTM-E330	45" @ 67, 90, 135 psi	Pre Load Design: L, Over L
Cyclic Wind Load	ASTM-E1996	cycles @ 120", 40psf	4,500/pos. & neg.
Miscellaneous			
Flammability	UL-94	---	HB @ .110"
Color	---	---	White
Light Transmittance @ .110"	ASTM-D1003	%	45
Weathering			
QUV Weathering @1500 Hrs.	ASTM-G26	ΔYI	< 7
Tensile Strength @ 4500 Hrs. QUV	ASTM-D638	psi	3,688
Miami-Dade BCCO App. Exterior Plastic	C/L #0445	---	pass

VALUEGUARD® is a registered trademark of Polymer Industries

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POLYMER INDUSTRIES

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