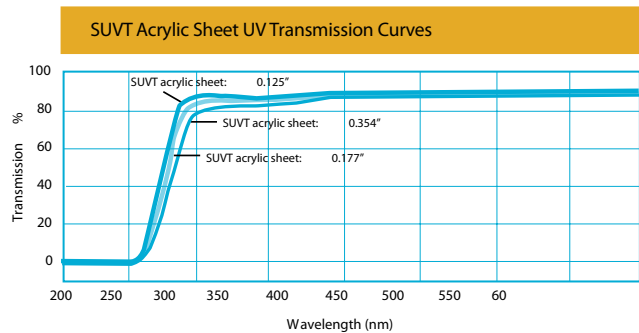


# SUVT Product Details

## AVERAGE PHYSICAL PROPERTIES\*

PROPERTY	METHOD	UNITS	SUVT ACRYLIC SHEET (0.177")
<b>Mechanical Properties</b>			
Notched Izod Impact	ASTM D 256	Ft-lb/in	0.46
Flexural Modulus	ASTM D 790	PSI	457,100
Tensile Stress at Yield	ASTM D 638	PSI	11,200
Tensile Elongation at Break	ASTM D 638	%	4.6
Rockwell Hardness	ASTM D 785	M	101
<b>Thermal Properties</b>			
DTUFL 66 PSI	ASTM D 648	°C /°F	107/225
DTUFL 264 PSI	ASTM D 648	°C /°F	101/214
1kg Load	ASTM D 1525	°C /°F	114/237
5kg Load	ASTM D 1525	°C /°F	108/226
Forming Temperature		°F	290°F - 360°F
<b>Optical Properties</b>			
Refractive Index	ASTM D 542	NA	1.49
Haze as Received	ASTM D 1003	%	< 0.6
Yellow Index as Received	ASTM E 313	NA	< 0.6
Luminous Transmission	ASTM D 1003	%	92
Ultraviolet Transmission at 300nm (0.125")		%	> 80
Yellow Index $\Delta$ after 3000 hours UVB-313EL Exposure	ASTM E 313 ASTM G 154	YI	0.2
Haze % $\Delta$ after 3000 hours UVB-313EL Exposure	ASTM D 1003 ASTM G 154	H%	1.6

\*Values reported are averages and should not be used for specification purposes.



SUVT acrylic sheet transmissions measured by a Perkin Elmer<sup>®</sup> Lambda 850 UV/Vis spectrometer.