

**Visilite® AR TECHNICAL DATA SHEET**

PROPERTY	TEST METHOD	VALUES
<b>Physical</b>		
Specific Gravity	ASTM D792	1.2
Light Transmission, Clear @ 0.118"	ASTM D1003	87%
Water Absorption, 24 Hours @ 73°F	ASTM D570	0.15%
Chemical Resistance	ASTM D1308	Pass
Taber Abrasion @ 100 Cycles, Delta Haze CS-10F Wheels, 500g Weight CS-10F Wheels, 500g Weight	ASTM D1044	<5%
<b>Mechanical</b>		
Tensile Strength, Ultimate	ASTM D638	9,500 psi
Tensile Strength, Yield	ASTM D638	9,000 psi
Tensile Modulus	ASTM D638	340,000 psi
Elongation	ASTM D638	110%
Flexural Strength	ASTM D790	13,500 psi
Flexural Modulus	ASTM D790	345,000 psi
Compressive Strength	ASTM D695	12,500 psi
Izod Impact Strength, Notched @ 0.125"	ASTM D256	16 ft.lbs/in
<b>Thermal</b>		
Heat Deflection Temperature @ 264 psi	ASTM D648	270°F
Coefficient of Thermal Expansion	ASTM D696	3.75x10 <sup>-5</sup> in/in/°F
Coefficient of Thermal Conductivity	ASTM C177	1.35 BTU.in/hr.ft <sup>2</sup> .°F
Shading Coefficient, Clear @ 0.236"	NFRC 100-2010	0.97
U factor @ 0.236" (summer/winter)	NFRC 100-2010	0.85/0.92 BTU/hr.ft <sup>2</sup> .°F
<b>Flammability</b>		
Horizontal Burn, AEB	ASTM D635	<1 in
UL 94 Rating of base substrate @ 0.060"	UL 94	V2
UL 94 Rating of base substrate @ 0.236"	UL 94	V0
<b>UV Stability</b>		
Xenon Arc Simulated Weathering	ANSI Z26.1; Test 11	Pass

**Need help?**

Your customer care team is just a call or click away.

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