



TECHNICAL DATA SHEET

STEVENS URETHANE AG8451

Stevens Urethane AG8451 is an aliphatic polyurethane specifically formulated to be used as an adhesive interlayer without the need for a glass surface primer.

Stevens Urethane AG8451 contains a UV additive package to protect itself and materials below it from harmful UV radiation.

Physical Properties	Test Methods	Typical Value
Tensile strength at 100%, psi	ASTM D638*	360
Tensile strength at 200%, psi	ASTM D638*	570
Tensile strength at 300%, psi	ASTM D638*	1022
Tensile strength at Break, psi	ASTM D638*	5800
Elongation at Break, %	ASTM D638*	540
Tear Strength, pli	ASTM D624	275
Specific Gravity	ASTM D792	1.08
DSC mid Point, T _g °C	N/A	-60
TMA Peak, °C	N/A	88
TMA Range, °C	N/A	65 – 130
Compression Set 22 hours at 22 °C, %	ASTM D395	23
Compression Set 22 hours at 70 °C, %	ASTM D395	95
Coefficient of Thermal Expansion L/Lo °C	N/A	~0.0002

* - Note: ASTM D638 Die IV is used with a grip separation rate of 20 in/min on SU 0.050” film

Optical Properties**	Test Methods	Typical Value
Haze, %	ASTM D1003	0 - 0.3
Transmission, %	ASTM D1003	85 – 95
Yellowness Index	ASTM D1925	<1
Refractive Index	ASTM D542	1.4962

**Film tested between two pieces of 1/8” glass
Film Thickness for Optical Properties – 0.050”

Created February 2007



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