

## LOW DENSITY (LD) ACRE

	TEST METHOD	PROPERTY	LD SAMPLE AVERAGE
PHYSICAL	ASTM D792	Specific Gravity	<b>0.589</b>
	ASTM D792	Density [g/cc]	<b>0.588</b>
	ASTM D570	Water Absorption Increase in Weight [%]	<b>5.1</b>
MECHANICAL	ASTM D638	Tensile Strength at Yield [psi]	<b>838</b>
	ASTM D638	Tensile Strength at Break [psi]	<b>725</b>
	ASTM D638	Elongation at Yield [%]	<b>4.2</b>
	ASTM D638	Elongation at Break [%]	<b>4.9</b>
	ASTM D638	Modulus of Elasticity [ksi]	<b>97</b>
	ASTM D790	Flexural Strength at Yield [psi]	<b>1,526</b>
	ASTM D790	Flexural Strain at Yield [%]	<b>2.9</b>
	ASTM D790	Flexural Modulus of Elasticity [ksi]	<b>98</b>
	ASTM D2240	Shore D Hardness	<b>62</b>
	ASTM D696	Coefficient of Thermal Expansion [ $1/^{\circ}\text{F} \times 10^{-5}$ ]	<b>3.32</b>
	ASTM D5420	Gardner Impact Failure Energy [in-lbf]	<b>26</b>
	ASTM D256	Impact Resistance [ft-lbs/in]	<b>0.128</b>
	ASTM D 1761	Screw Hold [lbf/in]	<b>421</b>
	ASTM D 1761	Nail Hold [lbf/in]	<b>79</b>
THERMAL	ASTM D648	Heat Deflection Temperature, 66 psi [ $^{\circ}\text{F}$ ]	<b>139</b>
	ASTM D648	Heat Deflection Temperature, 264 psi [ $^{\circ}\text{F}$ ]	<b>139</b>

- Attractive aesthetics
- Resistance to the elements
- Low Maintenance
- Versatile style
- Lasting durability
- US-based production
- Proven performance
- True sustainability
- Easy installation

