

## **TECHNICAL DATA**

### **SelectForce® Plastic Lumber**

#### **Test Methods**

<b>Test</b>	<b>English Units</b>		<b>Metric Units</b>		
	<b>ASTM Test</b>	<b>Value</b>	<b>Units</b>	<b>Value</b>	<b>Units</b>
Flexural Strength	D6109-97	1355	PSI	95	Kg/cm <sup>2</sup>
Flexural Modulus Secant @ 1% strain	D6109-97	95939	PSI	6744	Kg/cm <sup>2</sup>
Compression Strength	D6108-97	1420	PSI	100	Kg/cm <sup>2</sup>
Compression Modulus	D6108-97	51000	PSI	3585	Kg/cm <sup>2</sup>
Specific Gravity	D6111-97	0.861	g/cc	0.861	g/cc
Flash point		644	Deg F	340	Deg C
Moisture Absorption		0.06	% by Weight	0.06	% by Weight
Thermal Expansion	D6341-98	0.000055	Inch/Inch/Deg F		
Average Screw pull out	D6117	646	Lbs	293	Kg
Static coefficient of Friction -Dry	D2394-83(99)	.48			
Static coefficient of Friction -Wet	D2394-83(99)	.40			
Sliding coefficient of Friction - Dry	D2394-83(99)	.22			
Sliding coefficient of Friction - Wet	D2394-83(99)	.43			

The technical data on this page represents only average values and not minimum values. Safety factors must be added into the design.

#### **Chemical Resistance**

High-Density Polyethylene has a high resistance to most acids and chemicals. Bedford Plastic Lumber has a high tolerance to exposure by most substances.

#### **Ultraviolet Weathering**

An ultraviolet stabilizer is added at the time of manufacture to help protect against ultraviolet degradation of the plastic surface in exterior applications.