

SELECTFORCE® PLASTIC LUMBER **SPECIFICATIONS**

DESCRIPTION:

Plastic lumber shall be manufactured with recycled HDPE. Lumber shall be molded in one piece per specified size. All materials will have UV additives to prevent deterioration of the plastic lumber from exposure to UV light. HDPE will be made up of no less than 95% recycled material; both post industrial and post consumer. Finished plastic lumber will not rot, split, crack or splinter for a minimum of 50 years. It shall be resistant to termites, marine borers, salt spray, oil, and fungus.

TEST	ASTM TEST	VALUE	ENGLISH		METRIC	
			UNITS	VALUE	UNITS	
Flexural Strength	D6109-97	1355	PSI	95	Kg/cm ²	
Flexural Modulus Secant @ 1% strain	D6109-97	95939	PSI	6744	Kg/cm ²	
Compression Strength	D6108-97	1420	PSI	100	Kg/cm ²	
Compression Modulus	D6108-97	51000	PSI	3585	Kg/cm ²	
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				

MECHANICAL PROPERTIES:

FACE WIDTH	4"	6"	8"	10"	12"
Tolerance (+/-)	3/32"	1/8"	3/16"	1/4"	1/4"

DIMENSIONAL TOLERANCES:

CUP/BULDGE TOLERANCES-deviation in the face from a straight line from edge to edge of piece.

LENGTH TOLERANCE = + 3" / -0" - MEASURED AT 70° DEG F

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