



Ugly Stick Material Specifications

1) Design

The Ugly Stick shall be a minimum of 1.300 inches wide, 60 inches tall, comprised of a round tube with 0.090 inch thick walls, 0.250 inch wide external ribs, supported by four (4) internal intersecting ribs, and made of high-impact polyolefins conforming to the following material specifications:

Property	ASTM Test	Results
Specific Gravity (min.)	D 1505	0.95
Hardness (min.)	D 1525	60 D
Tensile Strength, PSI @ break	D 638	5,000
Elongation @ break, %	D 638	800
Flexural Stiffness	D 638	100,000
Heat Deflection Temp, 66 PSI	D 648	149 degrees F
Low Temperature, Brittleness Point	D 746	- 76 degrees F

2) Materials

Ugly Sticks shall be constructed of UV-stabilized polymers stabilized to resist UV degradation.

3) Color

Color of the Ugly Sticks shall be solid throughout. Standard colored poles shall be stabilized to resist UV degradation; fluorescent colored poles shall be designed to fade to a non-flourescent "background" color over time. Each Ugly Stick will have 2 bands of Diamond Grade Reflective Striping around the circumference of the pole at the top.

4) Lengths

Ugly Sticks shall be available in length of 6'.

5) Packaging

Ugly Sticks shall be packaged in bags of 25 pieces.

6) Warranty

Ugly Sticks in non-flourescent colors shall be covered by warranty covering loss of color and/or breakage for a minimum of five (5) years from the date of purchase. See factory for specific warranty documentation.