

KING COLORCORE®

Environmentally Stabilized Polymer Engraving Sheet

Tolerances

Gauges

Width/Length

1/4" - 1 1/2" ± 5%

Plus Only at Room Temp.

Properties

Units

ASTM

ColorCore®

Density	g/cc	D1505	.96
Tensile Strength @ Yield	psi	D638	>4100
Tensile Modulus	psi	D638	225,000
Elongation @ Break	%	D638	>600
Elongation @ Yield	%	D638	9.8
Flexual Modulus	psi	D790	185,000
Flexual Stress@5% Strain	psi	D790	3,810
Compressive Properties 10% Stain	psi	D695	4,950
Durometer	Shore D	D2240	68
Tensile Impact	ft lbs/in ²	D1822	115
Izod Impact Resistance	ft lbs/in ²	D256	1.1
Brittleness Temp.	°F	D746	<-105°
Vicat Softening	°F	D1525	253°
Heat Deflection Temp. 66p.s.i.	°F	D648	210°
Screw and Nail Withdrawl	lbs	D1761	657 & 63
Flamability	Rating	UL94	HB

*All values are determined on specimens prepared according to ASTM Standards. Nominal values should not be interpreted as specifications.

King ColorCore® is made entirely from FDA and USDA approved materials.

King ColorCore® meets ASTM ASTM D4976 PE235

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