

# King ColorCore®

King ColorCore®, the multi-color engravable polymer sheet

Physical Properties	ASTM Test	Value	Units
Density	D1505	0.955	g/cc
Tensile Strength @ Yield	D638	>4,100	psi
Tensile Modulus	D638	255,000	psi
Elongation @ Yield	D638	9.8	%
Elongation @ Break	D638	>600	%
Flexural Modulus	D790	185,000	psi
Flexural Stress @ 5% Strain	D790	3,810	psi
Compressive Properties 10% Strain	D695	4,950	psi
Durometer	D2240	68	Shore D
Tensile Impact	D1822	115	ft.lbs./in.2
Izod Impact Resistance	D256	1.1	ft.lbs./in.2
Brittleness Temperature	D746	<-76°C (105°F)	°C (°F)
Vicat Softening	D1525	123°C (253°F)	°C (°F)
Heat Deflection Temp. 66 psi	D648	75°C (167°F)	°C (°F)
Screw and Nail Withdrawal	D1761	657 & 63	lbs.
Flammability	UL94	HB	Rating

All values are determined on specimens prepared according to ASTM Standards.

Nominal values should be interpreted as specifications.

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

King ColorCore® meets ASTM D4976.

The raw material used to make King ColorCore® does not contain BPA's or Phthalates.



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