

Print Grade

Product Information

◆ Product Description

Regal Graphics' **Regal Vinyl** has been engineered for use in the printing industry. It has excellent printing characteristics as well as customized impact properties. Typical applications of this material are for greeting cards, advertisement cards, large placards and membership cards.

◆ Typical Properties

Property	Test Method	* Typical Value
Thickness	**	5.0 ~ 10.0 (roll)
Thickness	**	10.0 - 30.0 (roll & sheet)
Thickness Tolerance	**	± 7% (>7.0 ↓ mil)
		± 5% (7.1 ↑ mil)
Width tolerance	**	± 1/16" (roll), ±1/32" (square cut)
Color	N/A	Various
Gloss value (60°)	ASTM-D523	135 ± 10 (lightly tinted transparent)
		100 ± 25 (deeply tinted transparent)
		90 ± 50 (opaque)
Specific Gravity	ASTM-D792	1.34 ± 0.02 (transparent)
		1.40 ± 0.04 (opaque)
Tensile strength (psi)	ASTM-D638	6000 min.
Elongation (%)	ASTM-D638	100 min. (20 mil↓), 70 min (20.1↑mil)
Heat Distortion temp. (°F@264psi)	ASTM-D638	152 ± 5
Vicat softening temp. (°C)	ASTM-D1525	89 ± 2
Dyne level	ASTM-D2578	32 min.
Impact strength		HXX VXX EXX
Cold-break temprature	ASTM-D1790	-4 °F -22 °F -31 °F
UV resistance	ASTM-G-53	*** (only when requested)

Note: ASTM-D1790 is based upon the Annual Book 1992. The other ASTM methods above are based on the Annual Book 1999 and have been modified to suit practical conditions.

* For dimentions and/or physical properties different from what is listed above or special requirements including weatherability and flammability etc., contact the vendor for the agreement on the specifics.

** Regal Graphics product inspected and test methods

*** This test results only suggest if there is an improvement in the UV resistance, not the actual durability for outdoor or indoor use.