

BIXAL DATA SHEET

Bixal is a rigid PVC film with a gloss/gloss surface. Bixal 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; offset printed cards, including membership cards, telephone cards, credit cards and other types of promotional and gift cards. Special additives available for Bixal include (but not limited to):

Customized Impact Strengths: HXX=High, VXX=Very High, EXX=Extra High.
Corona Treatment: Dyne level of 40 and above for at least one month post calender production.
Custom Colors: Clear, Opaque Colors, Tinted Colors.

<u>Property</u>	<u>Test Method</u>	<u>Typical Values</u>
Thickness (mils)	**	5.0 ~ 10.0 (roll) 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 sheet)
Gloss Value (60°)	ASTM-D523	135 ± 10 (lightly tinted transparent) 100 ± 25 (deeply tinted transparent) 90 ± 15 (opaque)
Specific Gravity	ASTM-D792	1.34 ± 0.02 (translucent) 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@264 psi)	ASTM-D648	152 ± 5
Vicat Softening Temp. (°C)	ASTM-D1525	89 ± 2
Dyne Level	ASTM-D2578	CR4=34 min. / CR5=38 min.
Impact Strength		HXX VXX EXX
Cold Break Temperature	ASTM-D1790	-4 °F -22 °F -31 °F

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

** Factory Product Self Inspection and Test Methods.

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