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Data Information Sheet

Typical Properties of BPGC White Gloss/Gloss or Clear Gloss/Gloss Printing Grade

Description

BPGC is a rigid PVC film with a gloss/gloss surface. BPGC 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 BPGC include (but not limited to):

<u>Customized Impact Strengths</u>: 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.

Property	Test Method	Typical Values
Thickness (mils)	**	5.0 ~ 10.0 (roll)
		$10.0 \sim 30.0 \text{ (roll \& sheet)}$
Thickness Tolerance	**	$\pm 7\% (7.0 \text{ mil } \downarrow)$
		$\pm 5\% (7.1 \text{ mil } \uparrow)$
Width Tolerance	**	$\pm 1/16$ " (roll), $\pm 1/32$ " (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 <u>+</u> 5
Vicat Softening Temp. (°C)	ASTM-D1525	89 <u>+</u> 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.

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^{**} Factory Product Self Inspection and Test Methods.