



## **NAN YA PLASTICS CORPORATION, USA**

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### **DATA INFORMATION SHEET TYPICAL PROPERTIES OF BPGC FILM**

#### **DESCRIPTION:**

BPGC is a rigid PVC film with 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 greeting cards, advertisement cards, large placards and regular membership cards. Special requirement options of BPGC include (but not limited to)

Customized impact strengths: HXX-high, VXX-very high, EXX- extra high

Corona treatment (\*T\*): 40 dyne minimum for at least one month from date of production

Colors: Transparent and opaque

\*Customized formulas for special requirements.

PROPERTY	TEST METHOD	*TYPICAL VALUES
Thickness (mils)	**	4.0 ~ 30.0 (roll) 7.5 ~ 30.0 sheet
Thickness tolerance	**	± 7% (7.0↓ mil) ± 5% (7.1 ↑ mil)
Width tolerance	**	± 1/16" (roll), ± 1/32" (precision 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 (transparent) 1.40 ± 0.04 (opaque)
Tensile strength (psi)	ASTM-D638	6000 min.
Elongation (%)	ASTM-D638	100 min. (20 mil↓), 70 min. (20.1mil ↑)
Vicat softening temp. (°C)	ASTM-D1525	89 ± 2
Dyne level	ASTM-D2578	34 min
Impact strength		HXX    VXX    EXX
Cold-break temperature	ASTM D1790	-4 °F   -22 °F   -31 °F
UV resistance	ASTM-G-53	◆(only when requested)

◆ This test result only suggests if there is an improvement in the UV resistance, not the actual durability for outdoor or indoor use.

\* For dimensions 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 specifications.

\*\* Nan Ya - Product Inspection and Test Methods

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