



NAN YA PLASTICS CORPORATION, USA

DATE: 7-8-17

DATA INFORMATION SHEET TYPICAL PROPERTIES OF BPGF FILM

DESCRIPTION:

BPGF is a rigid PVC film with matte/matte surface. BPGF has engineered for use in the printing industry. It has good printability, consistent roughness, 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 BPGF include (but not limited to)

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

Colors: Translucent and opaque

*Customized formulas for special requirements.

PROPERTY	TEST METHOD	*TYPICAL VALUES
Thickness (mils)	**	3.0 ~ 40.0 (roll stock) 6.5 ~ 30.0 (sheet stock)
Thickness tolerance	**	±5% (≥ 10 mil) ±7% (< 10 mil)
Width tolerance	**	± 1/16" (roll), ± 1/32" (precision cut sheet)
Gloss value (60°)	ASTM-D523	CR 4/5: 14 ↓ / 10 ↓
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↑)
Vicat softening temp. (°C)	ASTM-D1525	89 ± 2
Dyne level	ASTM-D2578	CR4 34 min/CR5 38 min.
Surface roughness (Ra: μin)	**	45 ± 15
Impact strength		HXX VXX EXX
Dart Impact (Gardner Drop: in-lbf/mil)	ASTM-D5420	3.0 3.4 4.0
UV Resistance	ASTM G154-06	◆(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 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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