



NAN YA PLASTICS CORPORATION, USA

2081 FM 102 Rd.
WHARTON, TEXAS 77488

PHONE: 281-727-7300
FAX: 281-727-7309

DATE: 10-23-19

DATA INFORMATION SHEET TYPICAL PROPERTIES OF BFVC FILM

DESCRIPTION:

BFVC is a rigid PVC film with gloss/gloss surface. BFVC has been engineered for use in food, pharmaceutical and medical grade packaging applications. It has excellent characteristics in clarity, deep draw, easy die cutting, and broad thermoforming window. This material is made from food-grade additives that comply with CFR Title 21 § 178.2010, 175.300, 178.3790, 178.3690, and 178.3297.

Special requirement options of BFVC include (but not limited to)

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

One-side or two-side silicone coating – X SX, X2X

Colors: transparent and opaque

*Customized formulas for special requirements

PROPERTY	TEST METHOD	TYPICAL VALUES			
Thickness (mils)	**	5.0 ~ 40 (roll)			
Thickness tolerance	**	± 7% (7.0↓ mil) ± 5% (7.1 ↑ mil)			
Width tolerance	**	± 1/16" (roll)			
Gloss value (60°)	ASTM-D523	140 ± 15 (lightly tinted transparent) 90 ± 15 (opaque)			
Specific gravity	ASTM-D792	1.34 ± 0.02 (lightly tinted 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)			
Impact strength	ASTM-D1790	MXX	HXX	VXX	EXX
Cold-break temperature		5 °F	-4 °F	-22 °F	-31 °F
Oxygen Transmission Rate	ASTM D-3985	2.15 cc/ (100in ² ·day) (transparent) 1.21 cc/ (100in ² ·day) (opaque)			
Water Vapor Transmission Rate	ASTM F-1249	.196 g/ (100in ² ·day) (transparent) .114 g/ (100in ² ·day) (opaque)			

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 conditions.

* 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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