

NAN YA PLASTICS CORPORATION

TECHNICAL BULLETIN

DATE : 05/02/2013

A-PET SHEET APGM SERIES

DESCRIPTION :

The APGM is a PETG film (GAG) is an abbreviation for it use for higher level of printing propose.

It has 3 layers 100% prime PETG on the outer layer (top & bottom) with anti-block agent on it, 100% prime PET chip in the inner layer.

Material has high gloss transparency, good printability, lower energy require to seal, and stronger Impact strength characteristics.

It can be produced either in roll stock or sheet form.

SPECIAL REQUEST : Available color: Clear only.

The surface can be corona treat.

PHYSICAL PROPERTIES :

<u>ITEMS</u>	<u>TYPICAL VALUE</u>		<u>TEST METHOD</u>
THICKNESS TOLERANCE	7GA and below	±7%	ASTM D-1593
	10GA and below	±5%	
	10GA and above	±3%	
TRANSPARENCY	85% ↑		ASTM D-1003
GLOSS VALUE (60°)	150 ↑		ASTM D-523
HAZE VALUE	5.0 ↓		ASTM D-1003
BLACK POINT (Gels)	10GA ≤ Insignificant/M ²		—
	10GA ~ 40GA ≤ 1 point /M ²		
	40GA ↑ 0 point /M ²		
DYNE LEVEL	40 ± 2		ASTM D-2578
SPECIFIC GRAVITY	1.33 ± 0.01		ASTM D-792
TENSILE STRENGTH	8500 PSI		ASTM D-638
TENSILE ELONGATION	200%		ASTM D-638
IV VALUE	0.72 ± 0.2		Refer to ASTM D4603
Heat Shrinkage % (150°C×20min)	-2/ -8		ASTM D-1204
Static Friction coefficient	0.2 ~ 0.35		ASTM 1894
Roll stock	±1/16		**
Cross stock	±1/16		**

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