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TECHNICAL BULLETIN  
RIGID PVC FILM PGG (D&M)

DESCRIPTION:

PGG is a Rigid PVC Film with Gloss surface/Matte surface. PGG has been excellent characteristics of Impact resistance and chemical resistance and printing and easy d cutting. Special requirement options of PGG include (but not limited to)

Customized impact strengths: IM-medium, IH-high, IP-bump, IV-very high, IE-extra hi

\*Customized formulas for Special requirements.

\*The material is available in thickness of 4~25.6 mils(0.10~0.65mm).

PHYSICAL PROPERTIES:

GENERAL	TEST METHOD	TYPICAL VALUE
Thickness Tolerance	ASTM D1593	(0.101mm~0.300mm)±5% (0.301mm~0.650mm)±3%
Width Tolerance	ASTM D1593	(0~2)mm
Color Shade	ASTM D1925	Should match with standard color shade
Gloss value(60°)	ASTM D523	85↑/10↓
Surface	ASTM D1593	Gloss/Matte
Dyne Level(Dyne/cm)	ASTM D2578	34~36/36~38
Roughness Ra(μin)	DIN 4768	1~3/25~45
Specific Gravity(g/cm <sup>3</sup> )	ASTM D792	1.4±0.05
<b>MECHANICAL</b>		
Impact resistance(%)	Internal	Not broken ratio 50↑
Cold-break temperature(°F)	ASTM D1790	IM IH IP IV IE 5 -4 -13 -31 -40
<b>THERMAL</b>		
Vicat Temp. (°C) 10N	ASTM D1525	85±2
Shrinkage (%) 150°C×10 <sup>-2</sup>	ASTM D1204	0.200mm ↓ : -20 ↓ /+4.0 ↓
		0.201mm ↑ : -15 ↓ /+2.5 ↓
<b>CHEMICAL</b>		
Resistance to acid	ASTM D534	EXCELLENT
Resistance to alkalies	ASTM D534	EXCELLENT