

# OptiPrint™ Synthetic Paper

## OPT-SYTP Technical Data Sheet

### Description and Applications

OptiPrint™ Synthetic Paper OPT-SYTP combines the premium aesthetics of fine paper with long lasting durability of advanced polymer engineering. Made from high polypropylene, it offers exceptional water resistance, tear strength and dimensional stability, making it a reliable alternative to traditional paper in both indoor and outdoor applications. OptiPrint™ Synthetic Paper features a silky smooth, high energy surface with a subtle, paper like tactile feel, neither too glossy or plasticky – providing an elegant texture that enhances print appearance and handling comfort. Its high opacity and smooth finish ensures crisp ink definition and vibrant color reproduction under offset, UV screen printing process. Being less ductile, it provides superior die cutting precision with clean and burr-free edges making it also ideal for electronics & semiconductors spacer applications

Incorporating UV stabilizers with its inherent chemical and water resistance characteristics, OptiPrint™ Synthetic Paper OPT-SYTP is able to withstand a wide range of environmental conditions without noticeable degradation.

### Typical Property Values

Property	Test Method	Unit	mm														
			0.25	0.3	0.35	0.4	0.45	0.5	0.6	0.7	0.8						
Tolerance	Micrometer	%	+/- 5					+/- 4									
Density	ASTM D792	g/cm <sup>3</sup>	1.2 +/- 0.05														
Transmittance	ASTM D1003	%	≤ 16	14	≤ 14	12	10	≤ 10									
Whiteness	ASTM E313	%	≥ 85														
Tensile Strength	ASTM D638	MD	psi	≥ 3000													
		TD	psi	≥ 2500			≥ 2300										
Elongation	ASTM D638	MD	%	≥ 350			> 200	> 100									
		TD	%	≥ 20			≥ 10										
Surface Tension	ASTM D2578	A	Dyn/cm	≥ 42													
		B	Dyn/cm	≥ 42													
Roughness	JIS-8060	A	u <sup>ll</sup>	35 - 55													
		B	u <sup>ll</sup>	25 - 60													
Gloss @ 60°	ASTM D523	A	%	2 - 5													
		B	%	2 - 5													
Surface Resistivity	ASTM D257	Ω/cm <sup>2</sup>	≥ 9 x 10 <sup>12</sup>														

### Tenopex Plastics Co., Ltd

Unit 101, Building 2, No. 136, Hua Xia Road Qiaotou Town,  
Dongguan City, Guang Dong Province, China 523532  
(86) 138 25753516    marketing@tenopexplastics-cn.cn

www.tenopexplastics.com

### Global Sales Office

(852) 6888 0563    helen.koh@optimaplusgroup.com  
(65) 87267516    helen.koh@optimaplusgroup.com

These are typical properties and are not intended for specifications purposes. If minimum certifiable properties are required, please contact your local sales representative. Reported values are based on 0.25mm thickness film unless otherwise noted.

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