



The Plastic Films Specialist

OptiPrint™ Polypropylene PP Lite White Technical Data Sheet

Description and Applications

OptiPrint™ PP Lite White sheets are lightweight, durable polypropylene copolymer sheets developed for printing, signage, display and packaging applications. They provide an excellent surface finish, flatness, print adhesion across screen and offset printing methods.

Engineered for high rigidity and moisture resistance, the sheets maintain dimensional stability under varying temperature and humidity conditions. The low density and recyclability make them a sustainable and cost-efficient alternative to PVC and other rigid substrates, ideal for indoor and short term outdoor graphics, POS displays and promotional panels. UV stabilized grades are available for prolonger outdoor duration.

Typical Property Values

Property	Test Method	Units	Value
Physical			
Density	ASTM D792	g/cm ³	0.95
Thickness Tolerance	-	%	+/- 5
Width Tolerance	-	mm	-1 to +3
Roughness	-	um	0.5 – 1.5
Surface Energy	-	Dy	≥ 40
Optical			
Light Transmission	ASTM D1003	%	≤ 3
Mechanical			
Tensile Elongation at Yield	ASTM D638	%	≥ 3.0
Tensile Strength at Yield	ASTM D638	kg / cm ²	≥ 450
Thermal			
Brittleness Temperature	ASTM D746	°C	≤ -20
Thermal Shrinkage	ASTM D1204	%	≤ 2.0
Heat Deflection Temperature	ASTM D648	°C	> 100

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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 2.0mm thickness film unless otherwise noted.

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