



The Plastic Films Specialist

# OptiPrint™ Stone Paper STP-RPD Thin Paper Series Technical Data Sheet

## Description and Applications

OptiPrint™ Stone Paper STP-RPD is a thin gauge mineral-based printing substrate composed of 80% calcium carbonate  $\text{CaCO}_3$  bonded with 20% high density polyethylene HDPE as thermoplastic binder. This unique composition creates a smooth, paper-like material that is entirely tree-free, waterproof and tear resistant – offering the aesthetic and tactile feel of premium paper while delivering the durability of engineered polymer films.

With available thickness ranging 0.08mm to 0.2mm, STP-RPD Series combines high opacity, excellent whiteness and superior dimensional stability even under humid conditions. Its surface ensures outstanding ink adhesion with offset, flexographic without surface treatment.

Designed as a sustainable alternative to wood pulp paper, OptiPrint™ Stone Paper is non toxic, chlorine free and recyclable, meeting ROHS, REACH ad EN71 compliance standards. It is ideal for tags, labels, inserts, brochures where print quality, durability and branding for environmental responsibility are essential

## Typical Property Values

Property	Test Method	Units	Value
Density	ASTM D792	g/cm <sup>3</sup>	1.2 +/- 5%
Base Weight	JIS P 8124	g/m <sup>2</sup>	96
			100
			120
			144
			168
			192
			216
			240
Whiteness	TAPPI T-525	%	$\geq 80$
Gloss	TAPPI T-480	%	$< 6$
Opacity	TAPPI T-425	%	$\geq 84$
Roughness	TAPPI T-555	um	$< 2$
CV Value	TAPPI T-527	%	5
Dyne Level	ISO 8296	Dyn/cm	$\geq 38$

## Compatible Printing Process :

- Web/Sheet OffSet Lithographic
- UV Web/Sheet Offset Lithographic
- Rotary
- Relief
- Letterpress
- Flexographic
- Gravure
- Digital (Latex / Solid Ink)
- Screen Printing

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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 0.23mm thickness film unless otherwise noted.

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