

# OptiPrint™ Stone Paper STP-RBD Thick Paper Series Technical Data Sheet

## Description and Applications

OptiPrint™ Stone Paper STP-RBD is a thick gauge mineral-based printing substrate composed of 65% calcium carbonate  $\text{CaCO}_3$  with 35% high density polyethylene HDPE as thermoplastic binder. It features a double side coated surface and has a refined surface finish with excellent rigidity as well as durability. It offers superior stiffness, opacity and tear strength making it ideal for premium packaging, book covers, folders, hang tags and display media substrates.

The smooth, low gloss coating provides reliable ink adhesion and high quality print reproduction, while its non porous structure delivers strong resistance to water, oil and environmental humidity. As a tree-free, chlorine-free and recyclable alternative to traditional paperboard and paper card, OptiPrint™ StonePaper offers both environmental advantage and long lasting performance in demanding graphic and packaging applications. Available from 0.25mm to 0.6mm thickness.

## Typical Property Values

Property		Test Method	Units	Value
Density		ASTM D792	g/cm <sup>3</sup>	1.5 +/-5%
Base Weight	250um thickness	JIS P 8124	g/m <sup>2</sup>	375
	300um thickness			400
	350um thickness			525
	400um thickness			600
	500um thickness			750
	600um thickness			900
Whiteness		TAPPI T-525	%	≥ 80
Gloss		TAPPI –T-480	%	< 6
Opacity		TAPPI T-425	%	≥ 84
Roughness		TAPPI T-555	um	< 2
CV Value		TAPPI T-527	%	5
Dyne Level		ISO 8296	Dyn/cm	≥ 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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