

Technical specification sheet

Ball & Doggett

ballanddoggett.com.au

Product: Grange Offset

Category: Folio Papers - Uncoated Paper

Country of Origin: Australia (excl. 140gsm)

Technical specifications:

Nominal Grammage	g/m ²	70	80	90	100	110	120	AS/NZS 1301.405s
Moisture	%	5.2	5.2	5.2	5.2	5.2	5.2	AS/NZS 1301.457s
Thickness	µms	87	97	109	120	130	141	AS/NZS 1301.426s
Roughness (Bendtsen)	ml/min	130	130	130	130	130	130	AS/NZS 1301.439s
Cobb, 1 min	g/m ²	28	28	28	28	28	28	AS/NZS 1301.411s
Wax Pick	#	18	18	18	18	18	18	
Brightness (UV Exc) D65/10°		87	87	87	87	87	87	AS/NZS 1301.462s
Opacity	%	90	92	94	95	96	96	AS/NZS 1301.454s
CIE Whiteness D65/10°		160	160	160	160	160	160	ISO 11475
Colour L* (UV Exc) D65/10°		92.9	92.9	92.9	92.9	92.9	92.9	AS/NZS 1301.455s
Colour a* (UV Exc) D65/10°		-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	AS/NZS 1301.455s
Colour b* (UV Exc) D65/10°		-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	AS/NZS 1301.455s

These characteristics are average values supplied for guidance purposes

Basic weight	g/m ²	140
Grammage	g/m ²	140 ± 4%
Thickness	µms	174 ± 5
Smoothness	sec/10,l	45 ± 10
Opacity	%	≥ 98
Wax Pick	°A	≥ 16
Moisture	%	5.3 ± 0.5

These characteristics are average values supplied for guidance purposes

NB. All grammages are PEFC certified.

Certificates

The pulp and paper mill has the following certifications for 70-120gsm:

- Quality System AS/NZ ISO 9001
- Environmental System AS/NZ ISO 14001
- OH&S System AS/NZS 4801
- Responsible Wood Certified 'AS 4707 Chain of custody for certified wood and forest products', promoting sustainable forest management. For more info: www.pefc.org.au.
- Certificate # : 211707-2016-COC-AUS-JAS-ANZ

Recommended Printing Tips

- Allow for longer drying time. Under colour removal (UCR) is recommended, please discuss with your printer to achieve optimum results.

Print & Finish Suitability

<input checked="" type="radio"/> Creasing	<input type="radio"/> Foiling	<input checked="" type="radio"/> Laser
<input type="radio"/> Die-Cutting	<input checked="" type="radio"/> Folding	<input checked="" type="radio"/> Scoring
<input checked="" type="radio"/> Digital	<input checked="" type="radio"/> Inkjet	<input type="radio"/> Varnishing
<input type="radio"/> Embossing	<input type="radio"/> Film Laminating	<input type="radio"/> Screen Ruling:
<input checked="" type="radio"/> Other: Laser guaranteed in all grammages		

Applications

<input checked="" type="radio"/> Annual Reports	<input checked="" type="radio"/> Direct Mail	<input type="radio"/> Outdoor Use
<input checked="" type="radio"/> Brochures	<input type="radio"/> Folders	<input type="radio"/> Packaging
<input checked="" type="radio"/> Corporate Identity	<input checked="" type="radio"/> Invitations	<input checked="" type="radio"/> Presentation Material
<input checked="" type="radio"/> Other: Flyers, letters, forms, writing pads, desk pads, charts, menus, books, cards		