

| Grammage<br>gm <sup>2</sup> | (Taber 15°)<br>MD mNm | Stiffness<br>ISO 2493<br>CD mNm | Thickness<br>Micron |
|-----------------------------|-----------------------|---------------------------------|---------------------|
| 100                         | 0.4                   | 0.2                             | 114                 |
| 120                         | 0.7                   | 0.4                             | 135                 |
| 160                         | 1.5                   | 0.9                             | 182                 |
| 200                         | 2.2                   | 1.6                             | 222                 |
| 250                         | 4.6                   | 3.0                             | 274                 |
| 280                         | 6.1                   | 3.6                             | 306                 |
| 330                         | 10.2                  | 6.7                             | 360                 |
| 400                         | 13.5                  | 7.8                             | 436                 |
| +/-5%                       | Tolerance             |                                 | +/- 7.5%            |

| ISO 8791-2 | Smoothness | Bendtsen ml/min |
|------------|------------|-----------------|
|            | 55         |                 |

| CIE whiteness D65 (UV included) |
|---------------------------------|
| 156                             |

| ISO Brightness (UV included) |
|------------------------------|
| 113                          |

| Grammage<br>gm <sup>2</sup> | Opacity<br>% |
|-----------------------------|--------------|
| 100                         | 92           |
| 120                         | 93.5         |
| 160                         | 96.5         |

All data are typical figures



## Printing and Conversion

| Grammage<br>gm <sup>2</sup> | Cut sizes | Folio | Laser/copier<br>guarantee |
|-----------------------------|-----------|-------|---------------------------|
| 100                         | ✓         | ✓     | ✓                         |
| 120                         | ✓         | ✓     | ✓                         |
| 160                         |           | ✓     | ✓                         |
| 200                         |           | ✓     |                           |
| 250                         |           | ✓     |                           |
| 280                         |           | ✓     |                           |
| 330                         |           | ✓     |                           |
| 400                         |           | ✓     |                           |

**Cypher** is guaranteed for pre-print, mono and colour Laser printing and copying (up to 160 gm<sup>2</sup>)

**Cypher** is guaranteed for colour and mono inkjet printing. (up to 160 gm<sup>2</sup>)

**Cypher** is suitable for Indigo.

**Cypher** is fully suited to offset litho, letterpress and silkscreen processes.

**Cypher** performs excellently in the embossing foil blocking and thermographic processes.

## Applications

**Cypher** offers a complete solution to your communication needs and is ideal for :

- Stationery and corporate identity work
- Reports
- Promotional Brochures
- Mail shots

## PRODUCT INFORMATION

**Cypher** is a multifunctional, smooth high white paper and board range.

**Cypher** offers high quality results over a wide range of modern and traditional printing techniques.

**Cypher** conforms to ISO 9706 requirements for permanence and as such is suitable for archival use or applications requiring acid-free paper.

**Cypher** complies with essential packaging requirement SI 1492 (2006) for heavy metal content.

**Cypher** is made from 100% Elemental Chlorine Free Woodpulp, sourced from carefully managed and renewed forests.

**Cypher** is fully recyclable and manufactured to precise and controlled standards. Tullis Russell is registered under the BS EN ISO 9001-2000 and 14001 quality assurance and environmental management schemes.

**Cypher** contains woodpulp from well managed forests certified in accordance with the rules of the Forest Stewardship Council.



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