

Opale®



| Common attributes | Test method | 80g | 90g | 100g | 120g | 150g | 250g | 300g |
|----------------------------------|---------------|--|-----|------|------|------|------|------|
| Wood pulp & bleach type | | ECF Woodfree Virgin Pulp - FSC™ certified Opale Reference Recycled has 50% post-consumer waste | | | | | | |
| Printing process suitability | | Litho, Silk Screen, Dry Offset (Toray), Blind Embossing, Hot Foiling, Die Stamping - image and paper texture depending | | | | | | |
| Mono laser guaranteed | | Yes | | | No | | | |
| Colour laser guaranteed | | Yes | | | No | | | |
| Mono ink jet guaranteed | | Yes | | | No | | | |
| Colour ink jet guaranteed | | Yes | | | No | | | |
| Recommended pH of fount solution | | 5.5 +/- 0.5 | | | | | | |
| Surface pH | TAPPI 529OM | 5 | | | | | | |
| Non aging credentials | ISO 9706 | No | | | | | | |
| Environmental label | ISO 14001 | Yes | | | | | | |
| Quality management | ISO 9001:2000 | Yes | | | | | | |
| Moisture content (%) | ISO 287 | 6 | | | | | | |
| Relative humidity (%) | TAPPI T502 | 40 - 60 | | | | | | |

Premier Wove

| | | | | | | | | | |
|---------------------------|-------------|----------|---|------|------|------|------|-----|----|
| Caliper (µm) | ISO 536 | - | - | 110 | 126 | - | 254 | 300 | |
| Bulk µ/(gm2) | ISO 534 | - | - | 1,05 | 1,06 | - | 1,00 | 1 | |
| Smoothness (ml/min) | ISO 5627 | - | - | 100 | 100 | - | 60 | 60 | |
| Whitest shade opacity (%) | ISO 2471 | - | - | 89.5 | 92 | - | - | - | |
| ISO Whiteness (%) | ISO 2470 | - | - | 115 | 115 | - | 115 | 115 | |
| Moisture content (%) | ISO 287 | - | - | 5 | 5 | - | 7 | 7 | |
| Stiffness (mN) | M direction | ISO 2493 | - | - | 0,40 | 0,40 | - | 32 | 28 |
| | C direction | | - | - | 0,30 | 0,30 | - | 17 | 20 |

Reference Wove, Reference 50% Recycled

| | | | | | | | | | |
|----------------------------|-------------|----------|-------|------|------|---|------|------|----|
| Caliper (µm) | ISO 536 | 91 | 99 | 108 | - | - | 254 | 300 | |
| Bulk µ/(gm2) | ISO 534 | 1,15 | 1,10 | 1,08 | - | - | 1,00 | 1,00 | |
| Smoothness (ml/min) | ISO 5627 | 100 | 80 | 100 | - | - | 60 | 60 | |
| Whitest shade opacity (%) | ISO 2471 | 87 | 88 | 89 | - | - | - | - | |
| ISO Whiteness Wove (%) | ISO 2470 | 115 | - | 115 | - | - | 115 | 115 | |
| ISO Whiteness Recycled (%) | | - | 102,4 | - | - | - | - | - | |
| Moisture content (%) | ISO 287 | 5,8 | 6,5 | 5,8 | - | - | 7 | 7 | |
| Stiffness (mN) | M direction | ISO 2493 | 0,37 | 0,37 | 0,40 | - | - | 32 | 28 |
| | C direction | | 0,19 | 0,19 | 0,30 | - | - | 17 | 20 |

Reference Fabric

| | | | | | | | | |
|---------------------------|----------|---|---|------|---|---|------|---|
| Caliper (µm) | ISO 536 | - | - | 145 | - | - | 310 | - |
| Bulk µ/(gm2) | ISO 534 | - | - | 1,45 | - | - | 1,24 | - |
| Whitest shade opacity (%) | ISO 2471 | - | - | 89 | - | - | - | - |
| ISO Whiteness (%) | ISO 2470 | - | - | 115 | - | - | 115 | - |
| Moisture content (%) | ISO 287 | - | - | 5,5 | - | - | 7 | - |

Please note: Due to the texturing process it is not possible to give accurate figures for roughness and stiffness for Reference Fabric.

Dialogue Wove

| | | | | | | | | |
|---------------------------|-------------|----------|------|------|------|------|---|---|
| Caliper (µm) | ISO 536 | - | 103 | - | 137 | 162 | - | - |
| Bulk µ/(gm2) | ISO 534 | - | 1,14 | - | 1,14 | 1,08 | - | - |
| Smoothness (ml/min) | ISO 5627 | - | 75 | - | 75 | 75 | - | - |
| Whitest shade opacity (%) | ISO 2471 | - | 87 | - | 90 | 93 | - | - |
| ISO Whiteness (%) | ISO 2470 | - | 115 | - | 115 | 115 | - | - |
| Moisture content (%) | ISO 287 | - | 4,5 | - | 4,5 | 4,5 | - | - |
| Stiffness (mN) | M direction | ISO 2493 | - | 0,39 | - | 0,39 | 2 | - |
| | C direction | | - | 0,25 | - | 0,25 | 1 | - |

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They are target values only for use as a guide.

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