



Quality specification - OFFSET PAPERT

| | Unit | Tolerance | Specification | | | | | |
|------------------|------------------|-----------|---------------|--------|--------|---------|---------|---------|
| Substance | g/m ² | | 60±1.0 | 70±1.0 | 80±1.0 | 90±1.5 | 100±1.5 | 120±1.5 |
| Thickness | um | | 75-80 | 85-89 | 94-101 | 108-112 | 116-122 | 140-146 |
| Opacity | um | ≥ | 87 | 90 | 93 | 94 | 95 | 96 |
| Smoothness | S | ≥ | ≥35 | | | | | |
| Brightness (ISO) | % | ±0.5 | 101.5 | | | | | |
| Moisture | % | ±0.5 | 5.5 | | | | | |

GOOD BULK WFC QUALITY SPECIFICATION

| | Unit | Tolerance | Gloss | | | | | |
|------------------|------------------|-----------|-------|-------|-------|-------|-------|-------|
| Substance | g/m ² | ±1.0 | 64 | 80 | 90 | 100 | 110 | 120 |
| Bulk | um | ≥ | 0.77 | 0.79 | 0.82 | 0.82 | 0.83 | 0.85 |
| Opacity | % | ≥ | 89 | 91 | 93 | 94 | 95 | 96 |
| Roughness | um | ≤ | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| Brightness (ISO) | % | ±0.5 | 91 | | | | | |
| Glossy | % | | 55-60 | 55-60 | 55-60 | 55-62 | 55-62 | 55-62 |
| Moisture | % | ±0.5 | 5.5 | | | | | |
| | | | | | | | | |
| | Unit | Tolerance | Matt | | | | | |
| Substance | g/m ² | ±1.0 | 64 | 80 | 90 | 100 | 110 | 120 |
| Bulk | um | ≥ | 0.86 | 0.89 | 0.92 | 0.92 | 0.93 | 0.94 |
| Opacity | % | ≥ | 90 | 93 | 94 | 94 | 95 | 96 |
| Roughness | um | ≤ | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| Brightness (ISO) | % | ±0.5 | 91 | | | | | |
| Glossy | % | | 55-60 | 55-60 | 55-60 | 55-62 | 55-62 | 55-62 |
| Moisture | % | ±0.5 | 5.5 | | | | | |



COPY BASE PAPER

| | Unit | Tolerance | Specification | |
|------------------|----------------------------|-----------|---------------|-----|
| Substance | g/m^2 | $\pm 3\%$ | 70 | 80 |
| Thickness | μm | $\pm 4\%$ | 93 | 105 |
| Opacity | μm | ± 2 | 93 | 95 |
| Smoothness | S | \geq | 20 | 20 |
| Brightness (ISO) | % | + 2 | 106.5 | |
| Moisture | % | ± 1 | 4 | 4 |
| Breaking length | Km | MD \geq | 4 | 4 |
| | | CD \geq | 1.5 | 1.5 |
| Stifness | $\text{mN} \cdot \text{m}$ | | 0.05 | 0.1 |