

# KAMA UC1 A

## uncoated folding boxboard



### PRODUCT DESCRIPTION

Uncoated cardboard

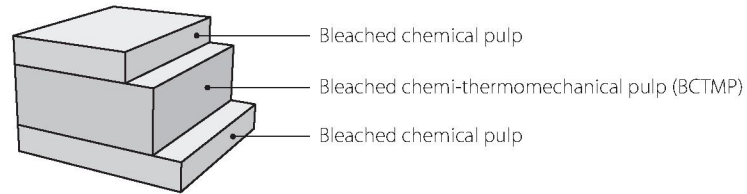
### MAIN END USES

- Consumer packaging for food and non-food products
- Universal packaging

### PRINTING METHODS

Offset, Flexo

### STRUCTURE



| Property   | Unit             | Tolerance | Normative value |      |      |      |      |      |      |      |      |      |      | Method               |
|--|------------------|-----------|-----------------|------|------|------|------|------|------|------|------|------|------|----------------------|
|  |                  |           | 200             | 210  | 220  | 230  | 240  | 250  | 260  | 270  | 285  | 310  | 335  |                      |
| Grammage   | g/m <sup>2</sup> | ±4%       | 200             | 210  | 220  | 230  | 240  | 250  | 260  | 270  | 285  | 310  | 335  | GOST P ISO 536       |
| Thickness  | µm               | ±4%       | 350             | 370  | 390  | 410  | 430  | 450  | 475  | 500  | 530  | 580  | 630  | GOST P ISO 534       |
| Bending moment Taber 15° MD  | mNm              | -15%      | 10.5            | 12.1 | 13.7 | 15.6 | 17.4 | 19.2 | 22.6 | 24.8 | 29.2 | 37.0 | 43.0 | GOST ISO 2493        |
| Bending moment Taber 15° CD  | mNm              | -15%      | 4.8             | 5.9  | 6.8  | 7.8  | 8.8  | 9.8  | 11.0 | 12.3 | 14.6 | 18.5 | 22.4 | GOST ISO 2493        |
| Moisture   | %                | -1/+2     | 7.5             | 7.5  | 7.5  | 7.5  | 7.5  | 7.5  | 8.0  | 8.0  | 8.0  | 8.0  | 8.0  | GOST ISO 287         |
| Brightness D65/10°, Top, no less   | %                |           |                 |      |      |      |      | 82   |      |      |      |      |      | GOST 30113 (ISO2470) |
| Moisture absorption in the top layer, no more<br>Cobb 60 (Cobb 120, 180)*    | g/m <sup>2</sup> |           |                 |      |      |      |      | 40   |      |      |      |      |      | GOST 12605 (ISO 535) |
| Moisture absorption in the bottom layer, no more<br>Cobb 60 (Cobb 120, 180)* | g/m <sup>2</sup> |           |                 |      |      |      |      | 50   |      |      |      |      |      | GOST 12605 (ISO 535) |
| Scott Bond   | J/m <sup>2</sup> | min 100   |                 |      |      |      |      | 110  |      |      |      |      |      | TAPPI 569            |

\*By agreement between the manufacturer and the customer.

# KAMA UC1 B

## uncoated folding boxboard



### PRODUCT DESCRIPTION

Uncoated cardboard

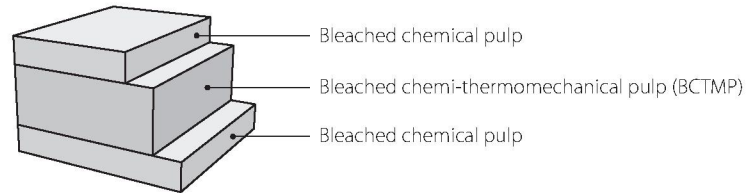
### MAIN END USES

- Consumer packaging for food and non-food products
- Universal packaging

### PRINTING METHODS

Offset, Flexo

### STRUCTURE



| Property   | Unit             | Tolerance | Normative value |      |      |      |      |      |      |      |      |      |      | Method                  |
|--|------------------|-----------|-----------------|------|------|------|------|------|------|------|------|------|------|-------------------------|
|  |                  |           | 200             | 210  | 220  | 230  | 240  | 250  | 260  | 270  | 285  | 310  | 335  |                         |
| Grammage   | g/m <sup>2</sup> | ±4%       | 200             | 210  | 220  | 230  | 240  | 250  | 260  | 270  | 285  | 310  | 335  | GOST P ISO 536          |
| Thickness  | µm               | ±5%       | 300             | 315  | 335  | 350  | 365  | 385  | 405  | 425  | 450  | 495  | 540  | GOST P ISO 534          |
| Bending moment Taber 15° MD                              | mNm              | -15%      | 10.5            | 12.1 | 13.7 | 15.6 | 17.4 | 19.2 | 22.6 | 23.5 | 27.7 | 34.0 | 39.0 | GOST ISO 2493           |
| Bending moment Taber 15° CD                              | mNm              | -15%      | 4.8             | 5.9  | 6.8  | 7.8  | 8.8  | 9.8  | 11.0 | 11.7 | 13.8 | 17.0 | 20.2 | GOST ISO 2493           |
| Moisture   | %                | ±1.5      | 7.5             | 7.5  | 7.5  | 7.5  | 7.5  | 7.5  | 8.0  | 8.0  | 8.0  | 8.0  | 8.0  | GOST ISO 287            |
| Brightness D65/10°, Top                                  | %                | min 80    | 82              |      |      |      |      |      |      |      |      |      |      | GOST 30113 (ISO 2470-2) |
| Moisture absorption in the top layer, no more Cobb 60    | g/m <sup>2</sup> |           | 40              |      |      |      |      |      |      |      |      |      |      | GOST 12605 (ISO 535)    |
| Moisture absorption in the bottom layer, no more Cobb 60 | g/m <sup>2</sup> |           | 50              |      |      |      |      |      |      |      |      |      |      | GOST 12605 (ISO 535)    |
| Scott Bond   | J/m <sup>2</sup> | min 100   | 110             |      |      |      |      |      |      |      |      |      |      | TAPPI 569               |

