

# Flat Multiwall Spec 196

## End use

Flat multiwall is our strong, durable, natural grade with features that include good tensile, tear and elongation properties.

This grade meets the U.S. Freight Classification Rule 40 for shipping sack papers, which specifies paper weight and strength test requirements. This grade has a rough finish to maximize slide angle.

Flat multiwall is used for three to five-ply multiwall sack applications, including pet foods, cement, flour and many more.

Strength. Performance. Quality.

## Compliance

TEA-Kraft is manufactured in compliance with FDA, CONEG and RoHS regulations. Our paper is thoroughly tested to ensure that strict substance limits are met.

## Sustainable

At Longview, our products start from trees, a renewable resource. Our paper is made from virgin wood pulp fiber, recycled fiber, or a combination of the two. Our virgin furnish, a blend of Northern softwoods including Douglas fir, pine, hemlock and spruce, provides superior strength properties in our paper.

| <u>Property</u> | <u>Units</u>             | <u>Typical Values</u> |      |      | <u>Test Method</u> |
|-----------------|--------------------------|-----------------------|------|------|--------------------|
| Substance       | lbs/3000 ft <sup>2</sup> | 40                    | 50   | 60   | T410 OS-68 (1968)  |
| Caliper         | mils                     | 4.1                   | 4.9  | 5.9  | TAPPI T411         |
| Tensile MD      | lbs/in.                  | 33.0                  | 36.1 | 43.0 | T494 OM-88 (1988)  |
| Tensile CD      | lbs/in.                  | 19.1                  | 23.5 | 27.3 | T494 OM-88 (1988)  |
| Stretch MD      | %                        | 1.9                   | 2.1  | 2.1  | T494 OM-88 (1988)  |
| Stretch CD      | %                        | 4.2                   | 4.4  | 4.3  | T494 OM-88 (1988)  |
| TEA MD          | ft. lbs/ft <sup>2</sup>  | 4.9                   | 5.8  | 7.4  | T494 OM-88 (1988)  |
| TEA CD          | ft. lbs/ft <sup>2</sup>  | 6.0                   | 8.3  | 9.2  | T494 OM-88 (1988)  |
| Tear MD         | grams                    | 86                    | 116  | 143  | T414 OM-88 (1988)  |
| Tear CD         | grams                    | 97                    | 126  | 161  | T414 OM-88 (1988)  |
| Porosity        | sec/100 cc               | 12                    | 12   | 12   | T460 OM-88 (1988)  |
| Moisture        | %                        | 6.6                   | 6.9  | 6.7  | T412 OM-90 (1990)  |

Laboratory conditions 73.4 °F, 50% RH (ISO 554-1976)

## See how we stack up.

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