

WestRock Secondary Fiber Specifications: Special News, De-ink Quality (#8 ONP)

ISRI Circular 2013: (8) Special News, De-ink Quality (#8 ONP)

Consists of sorted, fresh newspapers, not sunburned, and other acceptable papers. This grade is to be relatively free from magazines and contain not more than the normal percentage of rotogravure and colored sections.

Prohibitive Materials may not exceed 1% Outthrows plus prohibitives may not exceed 2% Other acceptable papers may not exceed 10%

Source requirements:

All #8 ONP post-consumer materials must be derived and collected in a manner consistent with meeting all specifications as listed below. Materials likely to contain excess Outthrows or Prohibitives, or materials likely to have been exposed to Unacceptable Contaminants must not be used.

Packing requirements:

All #8 ONP must be baled with wire, or steel banding strap, and weigh at least 1,000 pounds per bale. Bales packed any other way and/or skids or pallets of #8 ONP may be acceptable only upon agreement by WestRock Company and supplier.

Unacceptable: materials that by their presence, in any amount, may pose a threat to human health and safety. Primary concerns are for people who will handle the #8 ONP, as well as for those who may use our final products for such things as food packaging including anything that might contribute to an off odor.

Unacceptable Contamination in any quantity includes:

| Free Flowing Liquids | Poisonous or Dangerous Substances |
|---------------------------|-----------------------------------|
| Food Waste | Sulfur impregnated file box |
| Medical / Hazardous Waste | |

Prohibitive: materials that by their presence, in excessive amounts may make the product unusable as the grade specified or materials that may damage the equipment.

Prohibitives (shall not exceed 1%) include but are not limited to:

| Bottles & Cans | Multi-wall Bags | Rubber Objects |
|----------------|-----------------------------------|----------------|
| Dirt & Rocks | Plastics or Shrink & Stretch Wrap | Styrofoam тм |
| Foil & Metals | Poly | Wax OCC |
| Glass | Rags, Clothing | Wood |

Outthrow: "all papers that are so manufactured or treated or are in such a form as to be unsuitable for consumption as the grade specified."

Outthrows (shall not exceed 2%) include but are not limited to:

| Chip & Box Board | Mill Wrappers | Wet Strength Papers |
|------------------|-----------------|---------------------|
| Butt Rolls | Telephone Books | |
| Corrugated | Tubes & Cores | |

Moisture: Bales excessively wet from water or other liquid, with an average measurement above 13%, will be subjected to a moisture deduction.

Please note that any calculation of total outthrows includes the percentages of any prohibitives present. Percentages by weight that exceed the defined levels are subject to downgraded in price or rejection.