# IMPERIAL ANCHOR®

**Product:** **Imperial Anchor 9110**
Site: Iggesund Mill
Company: Holmen Board and Paper

## General Characteristics

| | |
|---|---|
| Name of product: | Imperial Anchor 9110 |
| Mill: | Iggesund Pulp Mill |
| Type of pulp: | Northen bleached softwood kraft<br>Elementary chlorine free (ECF)<br>Web dried<br>Paper grade |
| Fibre: | A mixture of 60% Pine and 40% Spruce |
| Pulping process: | Extended modified continuous kraft cooking, oxygen bleaching followed by a four stage bleach plant with chlorine dioxide, oxygen and peroxide as bleaching agents. |
| Pulp characteristics : | Imperial Anchor is a long fibre kraft pulp with wide ranging applications in the manufacture of solid bleached board and other paper and board products where a strong pulp with good beatability and excellent surface characteristics and formation is needed. |
| Applications: | - Printing and writing papers<br>- Solid bleached duplex and triplex boards<br>- Household and sanitary papers<br>- Speciality papers such as:<br>Decorative laminates, security papers, OCR |

## Certifications & Standards

### Product related

| PEFC credit material | FSC® Mix | Food safety | Archiving | Toy safety |
|---|---|---|---|---|
| 2778 PEFC | TUEV-COC-000232 | EC 1935/2004,<br>EC 2023/2006,<br>FDA 21 CFR<br>German BfR XXXVI | Acid free | EN 71 Part 3<br>EN 71 Part 9 |

All fibres from sustainable and controlled sources in compliance with the EU Timber Regulation EC 995/2010.
EcoVadis Platinum Medal awarded in 2024 (top 1% of all companies assessed).

### Mill related

| ISO 9001 | ISO 14001 | ISO 45001 | ISO 50001 | FSC® | FSSC 22000 |
|---|---|---|---|---|---|

For more detailed information about our certificates, visit holmen.com/boardandpaper/certifications

## Emissions

| Iggesund Mill<br>Emissions to water (2025) | ton 90 AD | |
|---|---|---|
| Process water 2025 | $m^3$/ton | 31,4 |
| TOC | kg/ton | 1,99 |
| AOX | kg/ton | 0,05 |
| Nitrogen | kg/ton | 0,1 |
| Phosphor | kg/ton | 0,01 |

| Iggesund Mill<br>Emissions to air (2025) | ton 90 AD | |
|---|---|---|
| Particules | kg/ton | 0,04 |
| Sulphur | kg/ton | 0,04 |
| CO2 fossil | kg/ton | 11,4 |
| NOx | kg/ton | 0,94 |

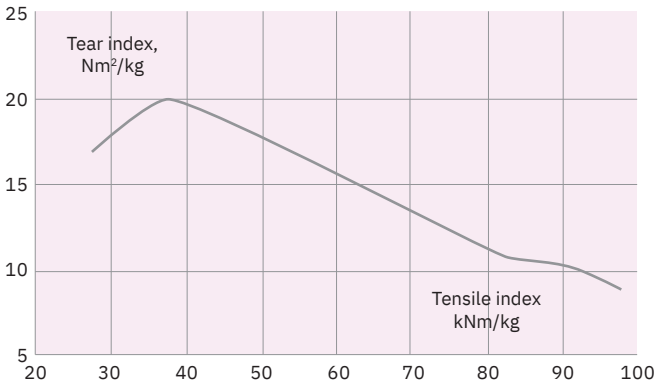
| Produced by | Sold by | Mail |
|---|---|---|
| Iggesunds Bruk<br>SE-825 80 Iggesund<br>Sweden<br><br>Telephone +46 650 28 000 | Holmen Board and Paper<br>SE-825 80 Iggesund<br>Sweden | pulpservice@holmen.com |

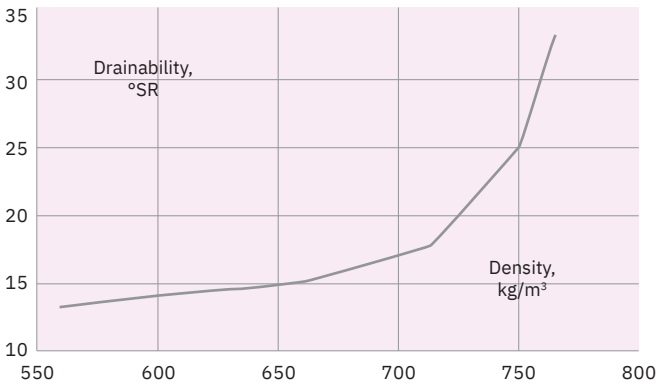
# Chemical and Physical Properties

Typical Values

Testing conditions: 50% RH, 23 ° C

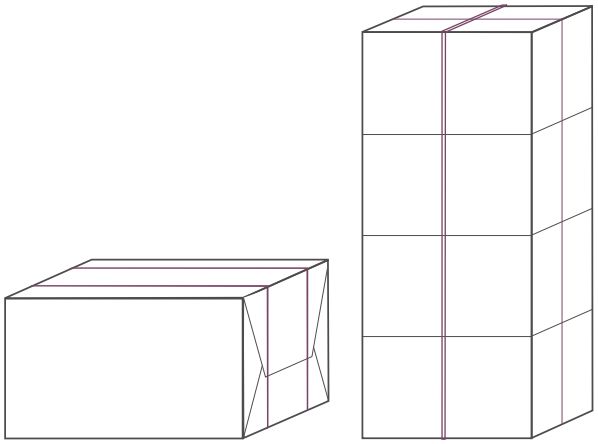
| Property | Unit | | | | | | | Method |
|---|---|---|---|---|---|---|---|---|
| Refining PFI | Revolutions | 0 | 250 | 1000 | 3000 | 6000 | 8000 | ISO 5264-2 |
| Drainage resistance | °SR | 13 | 14 | 15 | 18 | 25 | 33 | ISO 5267-1 |
| Density | kg/m³ | 560 | 600 | 655 | 715 | 750 | 765 | ISO 534 |
| Tensile Index | kNm/kg | 28 | 38 | 59 | 82 | 93 | 97 | ISO 1924-2 |
| Tensile Stiffness Index | MNm/kg | 3,8 | 4,5 | 5,9 | 7,6 | 8,4 | 8,7 | ISO 1924-2 |
| Tear Index | Nm²/kg | 17 | 20 | 16 | 11 | 10 | 9 | ISO 1974 |
| Light Scatt. Coeff. | m²/kg | 31 | 28 | 24 | 20 | 18 | 17 | ISO 9416 |
| WRV | g/g | 1,1 | 1,2 | 1,3 | 1,5 | 1,7 | 1,8 | SCAN-C 62:00 |

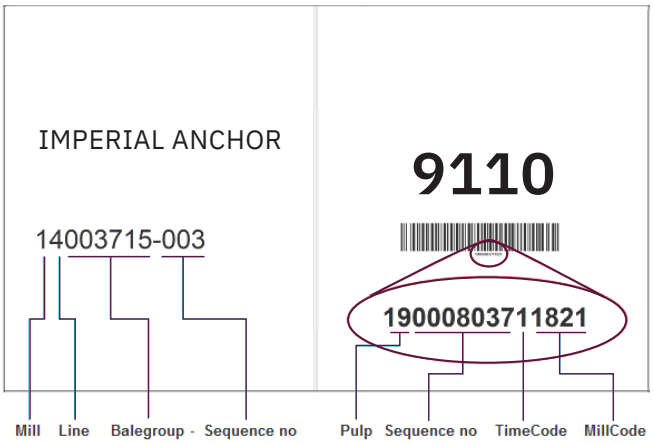



| Property | Unit | | Method |
|---|---|---|---|
| Brightness | % | ≥88,5 | ISO 2470 |
| Ash content | % | 0,1 | ISO 1762 |
| Extractives | % | <0,05 | SCAN-CM 49:03 |
| Viscosity | ml/g | >800 | ISO 5351 |
| Fiber length, average figure | mm | 2,11 | Pulp Eye |
| Coarseness | mg/m | 0,19 | Pulp Eye |
| Dirt Count, max | mm²/kg | ≤3 | ISO 5350-2 |

| Bale facts | Unit | Standard Bale | Export Unit - 8 bales |
|---|---|---|---|
| Lenght | mm | 700 | 700 |
| Width | mm | 720 | 1440 |
| Height | mm | 420 | 1680 |
| Gross weight | kg | 215 | 1720 |
| Air dry weight | kg | 200 | 1600 |
| Bale Wrapping | Bleached kraft paper | | |






More information, such as environmental declarations and other certificates can be found at holmen.com/boardandpaper

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