

GHG

| Category | Unit | 2021 | 2022 | 2023 |
|---------------------------------------|---------------------------|---------|---------|---------|
| Total GHG Emissions ¹⁾ | tCO2eq | 101,910 | 101,506 | 104,764 |
| Scope1 | tCO2eq | 11,434 | 13,269 | 12,958 |
| Scope2 | tCO2eq | 90,476 | 88,237 | 91,809 |
| GHG Emissions Intensity ²⁾ | tCO2eq/ 100million KRW | 8.72 | 6.95 | 12.88 |

1) Total GHG Emissions : Calculated in accordance with the guidelines for verification of the GHG emission trading system and data of 2023 is subject to change after the confirmation of specification.

2) GHG Emissions Intensity : Sum of GHG emissions of workplaces(Scop1 & 2) ÷ Separate sales amount (million KRW)

Water Resource

| Category | Unit | 2021 | 2022 | 2023 |
|--------------------------------|---------------------|-----------|-----------|-----------|
| Total Water Consumption | ton | 2,195,887 | 2,224,856 | 2,466,447 |
| Cheong-ju Factory: | | | | |
| Supply Water | ton | 109,887 | 80,278 | 117,596 |
| Industrial Water | ton | 1,875,891 | 1,795,726 | 1,975,814 |
| Ochang 1 Factory: | | | | |
| Supply Water | ton | 12,091 | 16,285 | 20,400 |
| Industrial Water | ton | 51,931 | 82,705 | 79,296 |
| Ochang 2 Factory: | | | | |
| Supply Water | ton | 13,205 | 7,539 | 8,921 |
| Industrial Water | ton | 132,882 | 242,323 | 264,420 |
| Total Water Consumption Target | ton | 2,159,028 | 2,210,372 | 2,345,652 |
| Total Water Discharge | m ³ /day | 5,897 | 5,429 | 5,729 |

Wastes

| Category | Unit | 2021 | 2022 | 2023 |
|------------------------|------|--------|--------|--------|
| Total Waste Generated | ton | 16,265 | 14,556 | 13,787 |
| General | ton | 10,716 | 10,294 | 9,033 |
| Designated | ton | 5,549 | 4,263 | 4,754 |
| Waste Generated Target | ton | 15,471 | 15,411 | 14,172 |
| Waste Recycling | ton | 14,363 | 13,644 | 13,098 |

Green Purchase

| Category | Unit | 2021 | 2022 | 2023 |
|--------------------------------------|-----------------|--------|--------|--------|
| Total Purchase (Raw material) | Ten million KRW | 51,112 | 53,188 | 37,651 |
| Renewable Energy ¹⁾ | Ten million KRW | - | - | 8 |
| Renewable Copper Oxide ²⁾ | Ten million KRW | - | 666 | 561 |

1) Renewable Energy : Energy from source of solar, wind, water, bio etc (including Green Premium)

2) Renewable Copper Oxide : Regenerated raw materials produced by recycling business waste refer to the Act on the Promotion of Resource Saving and Recycling)

Energy

| Category | Unit | 2021 | 2022 | 2023 |
|---|-------------------|-------|-------|-------|
| Total Energy Consumption | TJ | 2070 | 2,040 | 2,150 |
| Non-Renewable Energy | TJ | 2070 | 2,040 | 1,459 |
| Renewable Energy | TJ | - | - | 691 |
| Total Energy Consumption Target ¹⁾ | TJ | 2,080 | 2,055 | 2,537 |
| Energy Consumption Intensity ²⁾ | TJ/100million KRW | 0.18 | 0.14 | 0.26 |

1) Total Energy Consumption Target : Calculated as sum of target consumption of Non-Renewable energy and Renewable

2) Energy Consumption Intensity : Total Energy Consumption of workplaces ÷ Separated Sales amount (100million KRW)

Pollutants

| Category | Unit | 2021 | 2022 | 2023 |
|--------------------------------|------|---------|---------|---------|
| Nitrogen Oxide (NOx) | ton | 2.442 | 2.324 | 4.031 |
| Particular Matter (PM) | ton | 15.221 | 10.767 | 5.750 |
| Sulfur Oxides (SOx) | ton | 0.220 | 0.003 | 0.354 |
| Biological Oxygen Demand (BOD) | ton | 212.172 | 287.235 | 188.947 |
| Suspended Solids (SS) | ton | 23.56 | 21.03 | 34.13 |
| Chemical Oxygen Demand (COD) | ton | 181.31 | 350.11 | - |
| Total Organic Carbon (TOC) | ton | 112.03 | 209.73 | 101.93 |

Use of Major Raw Materials

| Category | Unit | 2021 | 2022 | 2023 |
|----------------------|---------------|--------|--------|--------|
| Copper Clad Laminate | million PNL | 13.708 | 11.482 | 6.922 |
| Prepreg | million PNL | 21.068 | 17.123 | 11.955 |
| Copper Foil | million Sheet | 11.818 | 11.124 | 7.419 |
| PGC | ton | 3.329 | 3.171 | 1.864 |

Hazardous/Chemicals

| Category | Unit | 2021 | 2022 | 2023 |
|--|--------|------|------|------|
| Use of Hazardous Chemicals ¹⁾ | K tons | 34.7 | 33.3 | 26.7 |
| Chemicals Generated | ton | 7.5 | 12.0 | 9.0 |

1) Use of Hazardous Chemicals : Calculated the annual use of major hazardous chemicals according to internal management standards

Range of data collection - 210 materials of Hardner, Filler, Addition agents, Epoxi resin etc.