

Order No. : 01S6210784

PO No. : D4B0346JUL

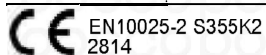
Supplier : SEBANG METAL TRADING CO.,LTD

Commodity : PRIME HOT ROLLED STEEL PLATE

Customer : .

Spec & Type : EN10025-2 S355K2 NR

| Size | Product No. | Quantity | Weight (kg) | Heat No. | Position | Tensile Test | | | Impact Test | Division | Chemical Composition | | | | | | | | | | | | | |
|--|-----------------|----------|-------------|----------|----------|--------------|--------|--------|--------------------------------------|----------|---|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|------------|
| | | | | | | YP (MPa) | TS (%) | EL (%) | V Notch -20 °C Energy (Joule) | | C (%) | Si (%) | Mn (%) | P (%) | S (%) | Cr (%) | Ni (%) | Cu (%) | Mo (%) | N (ppm) | Nb (%) | Ti (%) | V (%) | Sol-Al (%) |
| 25x2001x6000 | PP39928901-8908 | 8 | 18,848 | SU06039 | T | 410 | 542 | 31 | 1: 315 | L | 0.1495 | 0.193 | 1.546 | 0.0091 | 0.0018 | 0.023 | 0.003 | 0.013 | 0.003 | 38 | 0.027 | 0.0100 | 0.002 | 0.026 |
| | | | | | | | | | 2: 310 | | P | 0.1460 | 0.193 | 1.548 | 0.0094 | 0.0020 | 0.022 | 0.007 | 0.012 | 0.003 | 36 | 0.026 | 0.0099 | 0.002 |
| 25x2001x6000 | PP39928701-8708 | 8 | 18,848 | SU06039 | T | 405 | 539 | 31 | 3: 305 A: 310 | L | 0.1495 | 0.193 | 1.546 | 0.0091 | 0.0018 | 0.023 | 0.003 | 0.013 | 0.003 | 38 | 0.027 | 0.0100 | 0.002 | 0.026 |
| | | | | | | | | | 1: 292 | | P | 0.1460 | 0.193 | 1.548 | 0.0094 | 0.0020 | 0.022 | 0.007 | 0.012 | 0.003 | 36 | 0.026 | 0.0099 | 0.002 |
| 25x2001x6000 | PP39929401-9408 | 8 | 18,848 | SU06039 | T | 405 | 539 | 31 | 2: 319 3: 296 A: 302 | L | 0.1495 | 0.193 | 1.546 | 0.0091 | 0.0018 | 0.023 | 0.003 | 0.013 | 0.003 | 38 | 0.027 | 0.0100 | 0.002 | 0.026 |
| | | | | | | | | | 1: 292 | | P | 0.1460 | 0.193 | 1.548 | 0.0094 | 0.0020 | 0.022 | 0.007 | 0.012 | 0.003 | 36 | 0.026 | 0.0099 | 0.002 |
| 25x2001x6000 | PP39927001-7005 | 5 | 11,780 | SU06059 | T | 403 | 540 | 26 | 1: 248 2: 270 3: 271 A: 263 | L | 0.1470 | 0.188 | 1.537 | 0.0092 | 0.0017 | 0.015 | 0.012 | 0.012 | 0.002 | 34 | 0.024 | 0.0117 | 0.002 | 0.023 |
| | | | | | | | | | 2: 270 | | P | 0.1509 | 0.188 | 1.535 | 0.0086 | 0.0018 | 0.017 | 0.012 | 0.016 | 0.002 | 34 | 0.024 | 0.0122 | 0.002 |
| *** Sub Total (070) *** | | 37 | 87,172 (kg) | | | | | | | | | | | | | | | | | | | | | |
| *** Heat Treatment ==> Normalizing rolling *** | | | | | | | | | | | CEQ (G) = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5 | | | | | | | | | | | | | |
| 30x2001x6000 | PP39929701-9707 | 7 | 19,796 | SU06039 | T | 402 | 540 | 31 | 1: 259 | L | 0.1495 | 0.193 | 1.546 | 0.0091 | 0.0018 | 0.023 | 0.003 | 0.013 | 0.003 | 38 | 0.027 | 0.0100 | 0.002 | 0.026 |
| | | | | | | | | | 2: 305 | | P | 0.1460 | 0.193 | 1.548 | 0.0094 | 0.0020 | 0.022 | 0.007 | 0.012 | 0.003 | 36 | 0.026 | 0.0099 | 0.002 |



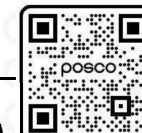
- * Position - T : Top, M : Middle, B : Bottom
- * Tensile Test. Direction : Transversal, Gauge Length : 5.65 √A₀. (Rectangular), YP Method : Upper Point
- * Impact Test. Direction : Surface Longitudinal, Full-Size : 10 mmX10 mm
- * Division - L : Ladle Analysis, P : Products Analysis
- * Supply Condition : As-Rolled unless otherwise Heat Treated.

This material has been fully killed and made by basic oxygen process. This material is fine grained steel. This material has been made by vacuum degassing process. No repair welding was performed to the products. Test Certificate is issued according to ISO 10474/EN 10204 3.1. We hereby certify that the material herein has been made in accordance with the order and above specification.

Legal sanction can be imposed on forging. Improper use of product can cause safety issues.

Surveyor To :

Park, Junyoung



Order No. : 01S6210784

Supplier : SEBANG METAL TRADING CO.,LTD


Customer : .

PO No. : D4B0346JUL

Commodity : PRIME HOT ROLLED STEEL PLATE

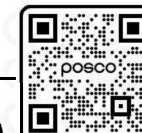
Spec & Type : EN10025-2 S355K2 NR

| Product No. | Division | Total-Al | CEQ | | |
|-------------------------|----------|----------|------|----|---|
| | | (%) | (%) | | |
| PP39928901-8908 | L | 0.029 | 0.41 | | |
| | P | 0.029 | | | |
| PP39928701-8708 | L | 0.029 | 0.41 | | |
| | P | 0.029 | | | |
| PP39929401-9408 | L | 0.029 | 0.41 | | |
| | P | 0.029 | | | |
| PP39927001-7005 | L | 0.025 | 0.41 | | |
| | P | 0.026 | | | |
| *** Sub Total (070) *** | | | | 37 | 87,172 (kg) |
| | | | | | CEQ (G) = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5 |
| PP39929701-9707 | L | 0.029 | 0.41 | | |
| | P | 0.029 | | | |


 EN10025-2 S355K2
2814

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 This material has been made by vacuum degassing process.
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Commodity : PRIME HOT ROLLED STEEL PLATE

Customer : .

Spec & Type : EN10025-2 S355K2 NR

| | | |
|---|---|--|
| Product No. |  <p>2814</p> | <p>POSCO Co., Ltd - Gwangyang Works 20-26, Pokposarang-gil, Gwangyang-si, Jeollanam-do, 57807, Korea 12 2814/CPR/0038/CPR/M U M/1210003/1</p> |
| PP39928901-8908 PP39928701-8708 PP39929401-9408 PP39927001-7005 PP39929701-9707 | <p>EN 10025-1:2004</p> <p>Types S355K2</p> <p>To be used in construction structural steels</p> <p>Tolerances on dimensions and shape :EN 10029</p> | <p>Elongation :</p> <p>Tensile strength :</p> <p>Yield strength : : EN10025-2</p> <p>Impact strength :</p> <p>Weldability :</p> <p>Durability :</p> <p>Dangerous Substances : No Performance Determind</p> |

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Park, Junyoung