

| Désignation de la matière                                                                                                                                                                      |                                                                                                                                                              |                    | Mesure mm              |           |                |               |           |                |             |           |                | Dureté                                                        |      |      |          | Résistance à la traction |                   | Limite d'élasticité conventionnelle 0,2% |      | Allongement |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------|-----------|----------------|---------------|-----------|----------------|-------------|-----------|----------------|---------------------------------------------------------------|------|------|----------|--------------------------|-------------------|------------------------------------------|------|-------------|--|
|                                                                                                                                                                                                |                                                                                                                                                              |                    | Rond, carré, hexagonal |           |                | Rectangulaire |           |                |             |           |                |                                                               |      |      |          |                          |                   |                                          |      |             |  |
|                                                                                                                                                                                                |                                                                                                                                                              |                    |                        |           |                | Épaisseur     |           |                | Largeur     |           |                | HB                                                            |      | HV   |          | R <sub>m</sub>           | R <sub>p0.2</sub> | A <sub>100mm</sub>                       | A    |             |  |
| Symbolique                                                                                                                                                                                     | Numérique                                                                                                                                                    | État Métallurgique | À partir de            | Supérieur | Jusqu'à inclus | À partir de   | Supérieur | Jusqu'à inclus | À partir de | Supérieur | Jusqu'à inclus | min.                                                          | max. | min. | max.     | N/mm <sup>2</sup>        | N/mm <sup>2</sup> | %                                        | %    |             |  |
|                                                                                                                                                                                                |                                                                                                                                                              |                    |                        |           |                |               |           |                |             |           |                |                                                               |      |      |          | min.                     |                   |                                          | min. | min.        |  |
| Cu-ETP<br>Cu-FRHC<br>Cu-OF<br>Cu-OFE<br>CuAg0,04<br>CuAg0,07<br>CuAg0,10<br>CuAg0,04P<br>CuAg0,07P<br>CuAg0,10P<br>CuAg0,04(OF)<br>CuAg0,07(OF)<br>CuAg0,10(OF)<br>Cu-PHC<br>Cu-HCP<br>Cu-PHCE | CW004A<br>CW005A<br>CW008A<br>CW009A<br>CW011A<br>CW012A<br>CW013A<br>CW014A<br>CW015A<br>CW016A<br>CW017A<br>CW018A<br>CW019A<br>CW020A<br>CW021A<br>CW022A | D                  | 2                      | –         | 160            | 0,5           | –         | 40             | 1           | –         | 200            | Étirés à froid sans soudure propriétés du produit spécifiques |      |      |          |                          |                   |                                          |      |             |  |
|                                                                                                                                                                                                |                                                                                                                                                              | H035 <sup>a</sup>  | 2                      | –         | 160            | 0,5           | –         | 40             | 1           | –         | 200            | 35                                                            | 65   | 35   | 65       | –                        | –                 | –                                        | –    |             |  |
|                                                                                                                                                                                                |                                                                                                                                                              | H200 <sup>a</sup>  | 2                      | –         | 160            | 1             | –         | 40             | 5           | –         | 200            | –                                                             | –    | –    | –        | 200                      | max.120           | 25                                       | 35   |             |  |
|                                                                                                                                                                                                |                                                                                                                                                              |                    |                        |           |                |               |           |                |             |           |                |                                                               |      |      |          |                          |                   |                                          |      |             |  |
|                                                                                                                                                                                                |                                                                                                                                                              | H065               | 2                      | –         | 80             | 0,5           | –         | 40             | 1           | –         | 200            | 65                                                            | 90   | 70   | 95       | –                        | –                 | –                                        | –    |             |  |
|                                                                                                                                                                                                |                                                                                                                                                              | R250               | 2                      | –         | 10             | 1             | –         | 10             | 5           | –         | 200            | –                                                             | –    | –    | –        | 250                      | min. 200          | 8                                        | 12   |             |  |
|                                                                                                                                                                                                |                                                                                                                                                              | R250               | –                      | 10        | 140            | –             | –         | –              | –           | 10        | 200            | –                                                             | –    | –    | –        | 250                      | min. 180          | –                                        | 15   |             |  |
|                                                                                                                                                                                                |                                                                                                                                                              | R230               | –                      | 30        | 80             | –             | 10        | 40             | –           | 10        | 200            | –                                                             | –    | –    | –        | 230                      | min. 160          | –                                        | 18   |             |  |
|                                                                                                                                                                                                |                                                                                                                                                              |                    |                        |           |                |               |           |                |             |           |                |                                                               |      |      |          |                          |                   |                                          |      |             |  |
|                                                                                                                                                                                                |                                                                                                                                                              | H085               | 2                      | –         | 40             | 0,5           | –         | 20             | 1           | –         | 120            | 85                                                            | 110  | 90   | 115      | –                        | –                 | –                                        | –    |             |  |
|                                                                                                                                                                                                |                                                                                                                                                              | H075               | –                      | 40        | 80             | –             | 20        | 40             | –           | 20        | 160            | 75                                                            | 100  | 80   | 105      | –                        | –                 | –                                        | –    |             |  |
|                                                                                                                                                                                                |                                                                                                                                                              | R300               | 2                      | –         | 20             | 1             | –         | 10             | 5           | –         | 120            | –                                                             | –    | –    | –        | 300                      | min. 260          | 5                                        | 8    |             |  |
|                                                                                                                                                                                                |                                                                                                                                                              | R280               | –                      | 20        | 60             | –             | 10        | 20             | –           | 10        | 120            | –                                                             | –    | –    | –        | 280                      | min. 240          | –                                        | 10   |             |  |
|                                                                                                                                                                                                |                                                                                                                                                              | R260               | –                      | 40        | 60             | –             | 20        | 40             | –           | 20        | 160            | –                                                             | –    | –    | –        | 260                      | min. 220          | –                                        | 12   |             |  |
|                                                                                                                                                                                                |                                                                                                                                                              |                    |                        |           |                |               |           |                |             |           |                |                                                               |      |      |          |                          |                   |                                          |      |             |  |
| H100                                                                                                                                                                                           | 2                                                                                                                                                            | –                  | 10                     | 0,5       | –              | 5             | 1         | –              | 120         | 100       | –              | 110                                                           | –    | –    | –        | –                        | –                 |                                          |      |             |  |
| R350                                                                                                                                                                                           | 2                                                                                                                                                            | –                  | 10                     | 1         | –              | 5             | 5         | –              | 120         | –         | –              | –                                                             | –    | 350  | min. 320 | 3                        | 5                 |                                          |      |             |  |
| NOTE – 1 N/mm <sup>2</sup> est équivalent à 1 MPa                                                                                                                                              |                                                                                                                                                              |                    |                        |           |                |               |           |                |             |           |                |                                                               |      |      |          |                          |                   |                                          |      |             |  |
| <sup>a</sup> Recuit.                                                                                                                                                                           |                                                                                                                                                              |                    |                        |           |                |               |           |                |             |           |                |                                                               |      |      |          |                          |                   |                                          |      |             |  |