

TDS n°93 Rev n°1 23/08/2016 Date of Edition: 11/5/2025

## K 450 Silver Brazing Alloys Cadmium Bearing

| Mechanical & Physical Properties   |        |         |  |  |  |  |  |  |
|------------------------------------|--------|---------|--|--|--|--|--|--|
| Melting Range                      | C°     | 605/620 |  |  |  |  |  |  |
| Recommended<br>Working Temperature | C°     | 620     |  |  |  |  |  |  |
| Tensile Strength                   | Мра    | -       |  |  |  |  |  |  |
| Electrical Conductivity            | % IACS | 27,6    |  |  |  |  |  |  |
| Density                            | gr/cm³ | 9,36    |  |  |  |  |  |  |
| Elongation                         | %      | -       |  |  |  |  |  |  |

| Specifications |                      |  |  |  |
|----------------|----------------------|--|--|--|
| EN ISO 17672   | Ag 345               |  |  |  |
| DIN 8513       | L-Ag45Cd             |  |  |  |
| AWS A5.8       | BAg-1                |  |  |  |
| DIN EN 1044    | AG 302               |  |  |  |
| EN ISO 3677    | B-Ag45CdZnCu-605/620 |  |  |  |
|                |                      |  |  |  |

Main elements %(min-max)

Ag: 44-46 / Cd: 23-25 / Zn: 14-18 / Cu: 14-16

Other %

Impurity: 0,15 max

Elongation %

RoHS Limit ppm N/A

| Availability |             |             |      |          |        |       |                  |
|--------------|-------------|-------------|------|----------|--------|-------|------------------|
| Bare rods    | Coated Rods | Wire / Coil | Foil | Preforms | Powder | Paste | Flexible<br>Wire |
| •            | •           | •           | •    | •        | 0      | 0     | •                |

Liability - Disclaimer: This document is intended to assist the user in choosing the product. We provide these results in all conscience; this not however exempting the consumer from the obligation to check our products and process on his own responsibility, including suitability, compliance with applicable law and non-infringement of the rights of others. The company ASA KAYNAK cannot be held liable in respect thereof.

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