

## Technical Data Sheet

### Safrabraz AG40CBF – 40% Silver Cadmium-Bearing Brazing Alloy

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## Product Overview

Safrabraz AG40CBF is a 40% silver, cadmium-bearing brazing alloy designed for precision and industrial applications requiring excellent flow characteristics and strong capillary action. The alloy provides reliable mechanical performance and is suitable for brazing copper, copper alloys, nickel alloys and selected stainless steels.

## Nominal Chemical Composition (%)

Element	Percentage (%)
Silver (Ag)	39–41
Copper (Cu)	18–20
Cadmium (Cd)	18–22
Zinc (Zn)	19–23

## Physical & Brazing Properties

Property	Value
Density	9.3 g/cm <sup>3</sup>
Solidus Temperature	595°C
Liquidus Temperature	630°C
Recommended Operating Temperature	610°C (approx.)
Tensile Strength	505 N/mm <sup>2</sup>

## International Standards & Equivalents

Standard	Designation
ISO 17672	Ag340
BS 1845	AG10
DIN 8513	L-Ag40Cd
DIN EN 1044	AG304
NFA 81-362	40A1
ISO 3677	BAG40ZnCdCu (595–630°C)

## Safety Information

Fumes and gases may be hazardous to health. Radiation from flame or hot metal can injure eyes. Use adequate ventilation and local exhaust at the brazing source. Wear suitable eye and body protection. For complete information refer to the Safety Data Sheet.

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