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Technical Data Sheet — ABP 40Sn

ABP 40Sn · EN ISO 17672 Ag 140 · Cadmium-free silver brazing alloy

Field	Value
Product	ABP 40Sn
Document ID	TDS.ABP.40Sn.EN.v1.1
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Effective	2026-10-10
Language	English
Family	Cadmium-free silver brazing alloy

1. Product Identification

Field	Value
EN ISO 17672	Ag 140
ISO 3677	B-Ag40CuZnSn-650/710
EN 1044	AG 105
DIN 8513	L-Ag40Sn
AWS A5.8	BAg-28

EN 1044 is withdrawn and superseded by EN ISO 17672; designations shown for cross-reference.

2. Chemical Composition (wt %)

Element	Min.	Max.	Nominal
Silver (Ag)	39.0	41.0	40
Copper (Cu)	29.0	31.0	30
Zinc (Zn)	26.0	30.0	28
Tin (Sn)	1.5	2.5	2

3. Impurity Limits (max. wt %)

Field	Value
Aluminium (Al)	≤ 0.001
Bi	≤ 0.030
Cadmium (Cd)	≤ 0.010
Phosphorus (P)	≤ 0.008
Lead (Pb)	≤ 0.025
Silicon (Si)	≤ 0.05
Total other	≤ 0.15

4. Physical Properties

Field	Value
Melting range	650–710 °C
Working temperature	690 °C
Density	9.1 g/cm³
Tensile strength	430 N/mm²

Composition ranges per the referenced standard; physical data as published by Advanced Brazing Products.

5. Available Forms

Foil

6. Safety

Refer to the Safety Data Sheet (SDS) for handling, personal protective equipment, ventilation and first-aid measures.

7. Sources

EN ISO 17672 / ISO 3677 designations and composition ranges. Advanced Brazing Products published product data (www.advanced-brazing.com). Approved ABP TDS v1.0 data.

Disclaimer

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