TECHNICAL DATA SHEET

parweld
WELDING THE FUTURE

XP C28

COPPER ALLOYS

CLASSIFICATIONS

EN ISO 24373	AWS A5.7
S Cu 6100 (CuAl7)	ERCuAl-A1

KEY FEATURES AND APPLICATIONS

- Solid copper-aluminium wire used for surfacing parts subjected to metal-to-metal wear.
- Offers very good corrosion and wear resistance.
- Depending on the base material thickness, preheating may be required.
- Typically used for rebuilding brass ship propellers and cladding surfaces against wear and corrosion attack.

BASE MATERIALS

Brass, copper, steel, CuZn alloys, ship propeller, AISI 304, sliding surface, shafts, bearings etc.

CHEMICAL COMPOSITION OF WIRE %

	Cu	Al	Mn	Pb	Si	Zn	Others
MIN	Bal.	6.0	-	-	-	-	0.50
MAX		8.5	0.5	0.02	0.10	0.20	

Single values are maximum values according to EN ISO 24373 unless otherwise stated

MECHANICAL PROPERTIES OF ALL-WELD METAL - TYPICAL VALUES

Tensile Strength (MPa)	Hardness (HB)	Melting Temperature
≥380	80 - 110	1030 - 1040°C

Test data for mechanical properties are not guaranteed since actual as welded conditions depend on numerous variables

OPERATING DATA

Shielding Gases	Polarity
EN ISO 14175 - I1, I3	DC-

PACKAGING AND AVAILABLE SIZES

Part Number	Diameter (mm)	Length (mm)	Weight (kg)	Packaging
XP40367	1.6	1000	5	PAP 20 Tube
XP40368	2.4	1000	5	PAP 20 Tube
XP40369	3.2	1000	5	PAP 20 Tube

REV.01
TDS-0253T EN