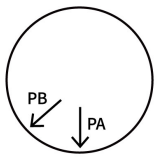
Supercored 70B

Classification

AWS AWS A5.20 / ASME SFA-5.20 E71T-5M-J
JIS Z 3313 T49 4 T5-1 M A-U
EN ISO 17632-A T42 4 B M21 3 H5

Welding Positions





Features

- Designed for welding with Ar+20~25%CO2 shielding gas
- Good crack resistance
- Good impact value at low temperature

Polarity

DC -

Application Areas

- Shipbuilding
- Structural fabrication

Shielding Gas

Ar+20~25% CO2

Approvals

ABS	BV	DNV	LR	CE	DB	TUV
✓	✓	✓	✓	✓	✓	✓

Typical Chemical Composition of All-Weld Metal (wt%)

Shielding Gas	C	Si	Mn	P	S
Ar+20~25% CO2	0.06	0.43	1.33	0.011	0.013

Typical Mechanical Properties of All-Weld Metal

Shielding Gas	Yield Strength MPa(ksi)	Tensile Strength MPa(ksi)	Elongation (%)	Temperature °C (°F)	Impact Toughness J (ft·lbs)
Ar+20~25% CO2	450 (65)	520 (75)	32	-40 (-40)	78 (58)

Diameter / Welding Parameters / Packaging

Wire Diameter mm(in)	Current (A)	Packaging
1.2 (0.045)	110~280	Spool 5kg (11lbs), 12.5kg (28lbs), 15kg (33lbs), 20kg (44lbs) Drum 100kg (221lbs), 200kg (441lbs), 250kg (551lbs)
1.4 (0.052)	110~280	
1.6 (1/16)	120~300	