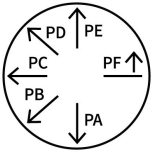


Supercored 70SB

Classification

AWS AWS A5.20 / ASME SFA-5.20 E71T-5C
JIS Z 3313 T49 3 T5-1 C A-U
EN ISO 17632-A T42 3 B C1 2

Welding Positions



Features

- Designed for welding with 100%CO2 shielding gas
- Good crack resistance
- Good impact value at low temperature

Polarity

DC + DC -

Application Areas

- Shipbuilding
- Structural fabrication

Shielding Gas

100% CO2

Approvals

ABS	BV	DNV	KR	LR	NK
✓	✓	✓	✓	✓	✓

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

Shielding Gas	C	Si	Mn	P	S
100% CO2	0.06	0.39	1.42	0.011	0.011

Typical Mechanical Properties of All-Weld Metal

Shielding Gas	Condition	Yield Strength MPa(ksi)	Tensile Strength MPa(ksi)	Elongation (%)	Temperature °C (°F)	Impact Toughness J (ft·lbs)
100% CO2	DC+	500 (73)	565 (82)	31	-30 (-20)	80 (59)
100% CO2	DC-	570 (83)	620 (90)	26	-30 (-20)	70 (52)

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	

SWAW

GMAW

GTAW

FCAW

Metal-cored Wire

SAW Wire

SAW Flux