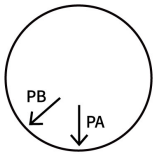


Supercored 70MXH

Classification

AWS AWS A5.20 / ASME SFA-5.20 E70T-1C,-9C
JIS Z 3313 T49 J 2 T1-0 C A -U H5
EN ISO 17632-A T 42 2 R C1 3 H5

Welding Positions



Features

- Designed for welding with 100% CO2 shielding gas
- High speed single or twin tandem welding
- Low hydrogen level (H5)
- Good anti-porosity to zinc primer

Polarity

DC +

Application Areas

- Shipbuilding
- Structural fabrication
- General fabrication
- Heavy equipment
- Offshore structure

Shielding Gas

100% CO2

Approvals

ABS	BV	CCS	DNV	KR	LR	NK	RINA	RS
✓	✓	✓	✓	✓	✓	✓	✓	✓

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

Shielding Gas	C	Si	Mn	P	S
100% CO2	0.067	0.55	1.65	0.014	0.008

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)
100% CO2	565 (82)	620 (90)	26.5	-20 (0) -30 (-20)	72 (53) 54 (40)

Diameter / Welding Parameters / Packaging

Wire Diameter mm(in)	Current (A)	Packaging
1.4 (0.052)	300~380	Spool 5kg (11lbs), 12.5kg (28lbs), 15kg (33lbs), 20kg (44lbs) Drum 100kg (221lbs), 200kg (441lbs), 250kg (551lbs)
1.6 (1/16)	300~450	

SMW

GMW

GTW

FCW

Metal-cored Wire

SAW Wire

SAW Flux