

FILARC PZ6116S

An all-positional rutile cored wire with good toughness down to -60 °C for use with carbon dioxide shielding gas.

Specifications

Classifications	SFA/AWS A5.29 : E81T1-K2 C JH4 EN ISO 17632-A : T 46 6 1.5Ni P C1 1 H5
Approvals	ABS : 3SA H5, 3YSA H5 ABS : 4YQ420SA H5 BV : S5Y46H5 CE : EN 13479 DNV-GL : V Y46MS(H5) LR : 5Y40M H5 LR : 5Y40S H5 PRS : 3YS H5 RINA : 4Y S UKCA : EN 13479

Approvals are based on factory location. Please contact ESAB for more information.

Welding Current	DC+
Alloy Type	Low Alloy
Shielding Gas	C1 (EN ISO 14175)

Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As Welded	553 MPa	624 MPa	24 %

Typical Charpy V-Notch Properties

Condition	Testing Temperature	Impact Value
As Welded	-60 °C	69 J

Typical Weld Metal Analysis %

C	Mn	Si	Ni
0.054	1.38	0.43	1.42

Deposition Data

Diameter	Current	Voltage	Wire Feed Speed	Deposition Rate
1.2 mm	150-350 A	23-35 V	5.6-19.8 m/min	2.1-7.5 kg/h
1.6 mm	150-450 A	24-36 V	2.8-12.4 m/min	1.8-8.1 kg/h