

PRODUCT DATA SHEET

TIG B2L



TIG B2L contains 1,25% Cr and 0,5% Mo, and is designed for welding low alloy steels with high tensile strength and creep resistant steels. For welding ASTM A387 grade 11 and 12 and similar types for pipelines and pressure vessels with operating temperatures of about 500°C. This low carbon version of the B2 type is preferred where as welded repairs are done or where PWHT is not viable.

Classifications

AWS	A 5.28	ER 70S-B2L
EN	21952-B	W 52 M CML I

Typical Chemical Analysis

% Carbon	0,03	% Sulphur	0,01
% Manganese	0,6	% Chromium	1,3
% Silicon	0,6	% Molybdenum	0,5
% Phosphorous	0,01	% Copper	0,15

Typical Mechanical Properties (All weld metal in the as welded condition)

Tensile Strength	550 MPa
Yield Strength	470 MPa
% Elongation on 5d	23
Charpy V-Notch at +20°C	250 J

Packing Data

Diameter (mm)	Pack Mass (kg)	Item Number
1,6	5,0	W078275
2,0	5,0	W078277
2,4	5,0	W078279

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