

LINCOLNWELD® 316/316LCF

Stainless ▪ AWS ER316/316L

KEY FEATURES

- Controlled Low Ferrite (Range 3-5)
- Charpy V-Notch test results capable of exceeding 27 J (20 ft•lbf) @ -196°C (-320°F)
- Exceeds 15 mils (0.38 mm) of lateral expansion @ -196°C (-320°F)
- Q2 Lot® - Certificate showing deposit composition, ferrite number, and charpy impact properties tested at -196C(-320F)
- Batch Managed Inventory

RECOMMENDED FLUX

Lincolnweld® P2007

CONFORMANCES

AWS A5: ER316, ER316L

TYPICAL APPLICATIONS

- LNG Storage
- Cryogenic Vessels and Piping

TYPICAL BASE METALS

316L stainless steels

DIAMETERS / PACKAGING

Diameter in (mm)	55 lb (25 kg) Steel Coil
5/64 (2.0)	ED034930
3/32 (2.4)	ED034931
1/8 (3.2)	ED034932

MECHANICAL PROPERTIES⁽¹⁾ – As Required per AWS A5.9

	Yield Strength ⁽²⁾ MPa (ksi)	Tensile Strength MPa (ksi)	Elongation %	Charpy V-Notch J (ft•lbf) -196°C (-320°F)	Lateral Expansion mils (mm) -196°C (-320°F)
Typical Results⁽³⁾ As-Welded with Lincolnweld P2007	420 (61)	610 (89)	43	53 (39)	20 (0.51)

⁽¹⁾Typical all weld metal ⁽²⁾Measured with 0.2% offset ⁽³⁾See test results disclaimer

IMPORTANT: SPECIAL VENTILATION AND/OR EXHAUST REQUIRED

Fumes from the normal use of some welding products can contain significant quantities of components - such as chromium and manganese - which can lower the 5.0 mg/m³ maximum exposure guideline for general welding fume.

BEFORE USE, READ AND UNDERSTAND THE SAFETY DATA SHEET (SDS) FOR THIS PRODUCT AND SPECIFIC INFORMATION PRINTED ON THE PRODUCT CONTAINER.