



## Solid-core Nickel Aluminum Bond Wire

A solid cored Nickel-Aluminum composite wire used as a bond-coat in the combustion wire metalizing process. **BONDRITE**® wire is available in 11 lb (4.98kg) level wound plastic spools.

### Bond Strength:

#### Bondrite Tensile Specimens (.009" sprayed bond-coat vs. EC2086 Adhesive)

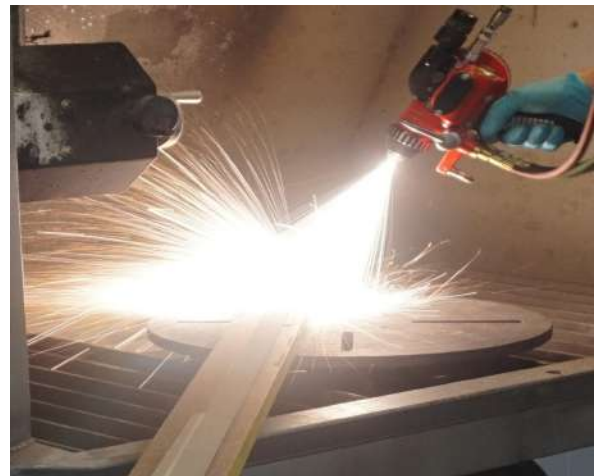
Sample	Lbs.	PSI	Failure Mode
#1	9,111	11,606	100% Adhesive Failure
#2	9,100	11,592	100% Adhesive Failure
#3	9,529	12,139	100% Adhesive Failure
<b>Fail (avg.)</b>	<b>9,247</b>	<b>11,779</b>	
EC2086 Std.	9,599	12,228	

**Notes:** All three coating specimens outlasted the maximum strength of the adhesive. Samples were machined from 3 separate panels.

**BONDRITE**® sprays at a *higher* speed (approx. 8 lbs/hr) compared to ~5 lbs. for other Ni-Al wire, providing an extremely homogeneous spray pattern. Also, unlike wire with a pelletized nickel powder core inside an aluminum tube, this wire does not spit. The older wire had a tendency to propel un-melted nickel particles if the aluminum sheath burned out prematurely. This does not happen with BONDRITE. Our Solid Nickel wire cannot spray unless it is first melted and atomized by the compressed air jet. This imparts very high bond strength to the coating, as proven by the lab report.

**Appearance:** A bright Aluminum tubular wire, containing a solid nickel core wire with an open butt seam.

**Packaging:** Standard 11 lb/5 kg Plastic or carbon fiber spools



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