

# Innershield® NR®-211-MP

## TOP FEATURES

- Versatile welding capability on a variety of base materials.
- High operator appeal and good bead appearance.
- Easy slag removal.
- Fast freezing characteristics accommodate poor fit-up.

## TYPICAL APPLICATIONS

- Sheet or thin gauge metal
- Galvanized sheet metal
- Robotic/hard automation
- General fabrication
- 5/16" maximum plate thickness for 0.045" and smaller diameters. 1/2" maximum plate thickness for 0.068 - 3/32" diameters.

## CLASSIFICATION

A5.20/A5.36 E71T-11

## CURRENT TYPE

DC-

## WELDING POSITIONS

All positions

## APPROVALS

LR	BV
+	+

## CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, ALL WELD METAL

C	Mn	Si	P	S	Al
0.21	0.65	0.25	0.010	0.003	1.3

## MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J)
Required: AWS A5.20		min. 400	480	20	not specified
Typical values	AW	450	610	22	

\* AW = As welded

## PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
0.8	SPOOL	4.5	ED033130
	DRUM	227.0	ED029838
0.9	SPOOL	4.5	ED016354
	DRUM	227.0	ED029028
1.1	SPOOL	4.5	ED016363
	SPOOL	11.3	ED030638
1.7	DRUM	227.0	ED029028
	COIL	6.4	ED012506
2.0	SPOOL	11.3	ED030641
	COIL	22.7	ED012509
2.4	COIL	22.7	ED013869

### TEST RESULTS

Test results for mechanical properties, deposit or electrode composition and diffusible hydrogen levels were obtained from a weld produced and tested according to prescribed standards, and should not be assumed to be the expected results in a particular application or weldment. Actual results will vary depending on many factors, including, but not limited to, weld procedure, plate chemistry and temperature, weldment design and fabrication methods. Users are cautioned to confirm by qualification testing, or other appropriate means, the suitability of any welding consumable and procedure before use in the intended application

Safety Data Sheets (SDS) are available here:



Subject to Change – The information is accurate to the best of our knowledge at the time of printing.  
Please refer to [www.lincolnelectric.eu](http://www.lincolnelectric.eu) for any updated information.