

# CARBOFIL A 600

## TOP FEATURES

- High resistance against corrosion, abrasion and impact deformation. Hardness approximately 55-60HRC.
- Weld deposits can be used at service temperatures <450°C with a minimal loss of abrasion resistance. The as deposited weld metal can be shaped or profiled by grinding.
- Ferritic and martensitic structure.

## TYPICAL APPLICATIONS

- Hardfacing.
- Repair
- Earthmoving

## CLASSIFICATION

EN 14700 S Fe 8

## SHIELDING GASES (ACC. EN ISO 14175)

M20 Mixed gas Ar+ 5- 15% CO<sub>2</sub>  
 M21 Mixed gas Ar+ 15-25% CO<sub>2</sub>  
 M24 Mixed gas Ar+ 5- 15% CO<sub>2</sub>+ 0,5-3% O<sub>2</sub>

## CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, WIRE

C	Mn	Si	Cr
0.5	0.4	3	9.5

## MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

Typical values	Condition*	Hardness (HRc)
	AW	57-62

\* AW = As welded

## PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
1.0	SPOOL (BS300)	15.0	W000378757
1.2	SPOOL (BS300)	15.0	W000283294

## 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.