



MMA ELECTRODES; MMA ELECTRODES

ALUMINIL SI5 WELDING ELECTRODES Ø 2,5 X 350MM - E4043 - E AL 4043 (ALSI5)



Standards

- AWS A5.3: E 4043
- EN ISO 18273: E Al 4043 (ALSI5)

Type of coating

- Special

Current type

- DC+

Welding positions

- Flat butt welds, fillet welds and limited vertical upward

Basic materials to be welded

- Aluminum-MgSi alloys
- Aluminum-Mg alloys with up to 2,5% Mg
- Aluminum-MnCu alloys
- Aluminum-Si cast alloys
- Joining dissimilar aluminum alloys

Applications

- General fabrication and construction (aluminum base metals)
- Shipbuilding and offshore
- Repair and maintenance

Chemical composition

- Manganese (Mn): 0.05%
- Silicon (Si): 5%
- Copper (Cu): 0.05%
- Zinc (Zn): 0.10%
- Iron (Fe): 0.20%
- Aluminum (Al): Balance

Mechanical properties

- Condition: as welded
- 0.2% Yield strength: 90 MPa
- Tensile strength: 160 MPa
- Elongation Lo = 5d: 15%



WE 0713525 - W11559	
Welding current max.	80 A
Elongation min.	15 %
Tensile strength min.	160 N/mm ²
Yield strength min.	90 N/mm ²
Material number	3.2245
Welding process	MMA
Diameter	2,5 mm
Length	350 mm
Weight	2 kg
AWS standard	AWS A5.3: E4043
EN standard	EN ISO 18273: E Al 4043 (ALSI5)
Welding positions	Flat butt, fillet welds and limited vertical upwards
Coating type	Special