

TECHNIWELDUSA

ATLANTA JACKSON NEWTON YOUNGSTOWN HOUSTON
P: 800-445-2152 P: 800-647-7144 P: 800-222-1113 P: 877-286-1868 P: 877-674-5586
F: 404-699-7800 F: 800-748-9973 F: 828-464-4884 F: 412-357-2181 F: 832-308-1985

TYPICAL MATERIAL TEST REPORT

ITEM CLASSIFICATION	
ALLOY	SPECIFICATION
E6011	AWS A5.1
APPLICATIONS	
All position electrode designed for AC welding Primarily used for welding mild steel	

TYPICAL CHEMICAL COMPOSITION						
ELEMENT	C	Si	Mn	P	S	
AVERAGE	0.09	0.20	0.50	0.012	0.021	

TYPICAL MECHANICAL PROPERTIES					
	Tensile Strength	Yield strength	Elongation	Reduction of Area	
	(N/mm ²)	(N/mm ²)	%	%	
	73,500 psi	60,000 psi	24%	67%	